

INFORMATION BULLETIN

WITH APPLICATION FORM

For
Master Degree Programmes

ICAR's

**16th ALL INDIA ENTRANCE EXAMINATION FOR ADMISSION
(AIEEA-PG-2011) TO 25% SEATS IN MASTER DEGREE PROGRAMMES
OF AGRICULTURAL UNIVERSITIES, 100% SEATS OF ICAR
DEEMED UNIVERSITIES AND AWARD OF ICAR-JRF(PGS) IN
AGRICULTURE & ALLIED SCIENCE SUBJECTS FOR ACADEMIC SESSION**

2011-2012

(AIEEA-PG-2011)



Examination Cell
Education Division
Indian Council of Agricultural Research
Krishi Anusandhan Bhavan II, Pusa
New Delhi-110 012

**INDIAN COUNCIL OF AGRICULTURAL RESEARCH
(EDUCATION DIVISION)**

KRISHI ANUSANDHAN BHAVAN-II PUSA, NEW DELHI 110 012

Deputy Director General (Education)
Indian Council of Agricultural Research
Krishi Anusandhan Bhavan-II
Pusa, New Delhi 110 012

Assistant Director General (HRD)/
Controller of Examinations (Edn, COE)
Education Division
Indian Council of Agricultural Research
Krishi Anusandhan Bhavan-II
Pusa, New Delhi 110 012
Tel. No.: 011-25843392/ 25840746
Fax No.: 011-25840851, 25843932

ALL CORRESPONDENCE REGARDING ADMISSION SHOULD BE ADDRESSED TO THE ASSISTANT DIRECTOR GENERAL (HRD)/CONTROLLER OF EXAMINATION (EDN), EDUCATION DIVISION, ICAR, KRISHI ANUSANDHAN BHAVAN-II, PUSA, NEW DELHI - 110 012

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SALE OF INFORMATION BULLETIN

- (a) **On Cash Payment** of ₹ 500/- for General, OBC & UPS Categories and ₹250/- for SC, ST and PH Categories with additional ₹25/- per Information Bulletin as handling and service charges at **Sale Counters of Agricultural Universities, and Syndicate Bank** (4 Branches in Delhi only).
: 27.12.2010 to 15.02.2011
- (b) **Depositing Bank Draft** of ₹500/- for General, OBC & UPS Category and ₹ 250/- for SC, ST and PH Category **personally at sale counter of ICAR Exam Cell, Education Division, Room No. 216, KAB-II, Pusa, New Delhi; CARI, Port Blair; CIFE, Mumbai, IVRI, Izatnagar, NAARM, Hyderabad and NDRI, Karnal.**
: 27.12.2010 to 15.02.2011
- (c) **By Post** from the office of Controller of Examination, **Education Division, ICAR, Room No. 216, KAB-II, Pusa, New Delhi-110012** by sending a **written request along with DD** of ₹ 550/- for General, OBC & UPS Categories and ₹300/- for SC, ST and PH Categories (including postal and handling charges) and an unstamped self-addressed 30 cm x 25 cm envelope.
: 27.12.2010 to 10.02.2011
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: 27.12.2010 to 15.02.2011

Demand Draft, wherever applicable, should be drawn in favour of "ICAR Unit – Education Division, New Delhi" payable at New Delhi.

IMPORTANT DATES

- (i) **Last date** for receipt of applications : 15 February 2011
- (ii) **Last date** for receipt of applications **from remote areas** namely : 22 February 2011
Andaman & Nicobar Island, Arunachal Pradesh, Assam, J&K ,
Lahaul & Spiti district and Pangti Sub-division of Chamba
district of Himachal Pradesh, Lakshadweep, Manipur, Meghalaya,
Mizoram, Nagaland, Sikkim and Tripura.
- (iii) Admit Card or Roll No. query; if any (Please note that no : Around Third Week of March 2011
separate admit card shall be issued)
- (iv) **Date and Time of Examination** : Sunday, April 17, 2011
: (10.00 A.M. to 12.30 P.M.)
- (v) Declaration of Result : Around Third Week of May 2011
- (vi) Schedule for Counseling/Personal Appearance (Tentative) : 25.06.2011-02.07.2011

All announcements including roll number, admit card information, declaration of result, calling for counseling, general notices, etc. will be available on Internet at the ICAR website at <http://www.icar.org.in>. Candidates are advised in their own interest to keep in touch with the website or contact on telephone or contact the Nodal Officer of the city of examination for venue of centre and roll number only.

NOTE : May contact the COE on any working day on telephone (011-25843392,25840746) between 10.00 A.M. to 5.00 P.M.

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**16th ALL INDIA ENTRANCE EXAMINATION FOR ADMISSION (AIEEA-PG-2011)
TO 25% (TENTATIVE) SEATS IN MASTER DEGREE PROGRAMMES OF
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UNIVERSITIES AND AWARD OF ICAR-JRF(PGS) IN AGRICULTURE & ALLIED
SCIENCE SUBJECTS FOR ACADEMIC SESSION 2011-12**

(AIEEA-PG-2011)



Examination Cell
Education Division
Indian Council of Agricultural Research
Krishi Anusandhan Bhavan II
Pusa, New Delhi-110 012

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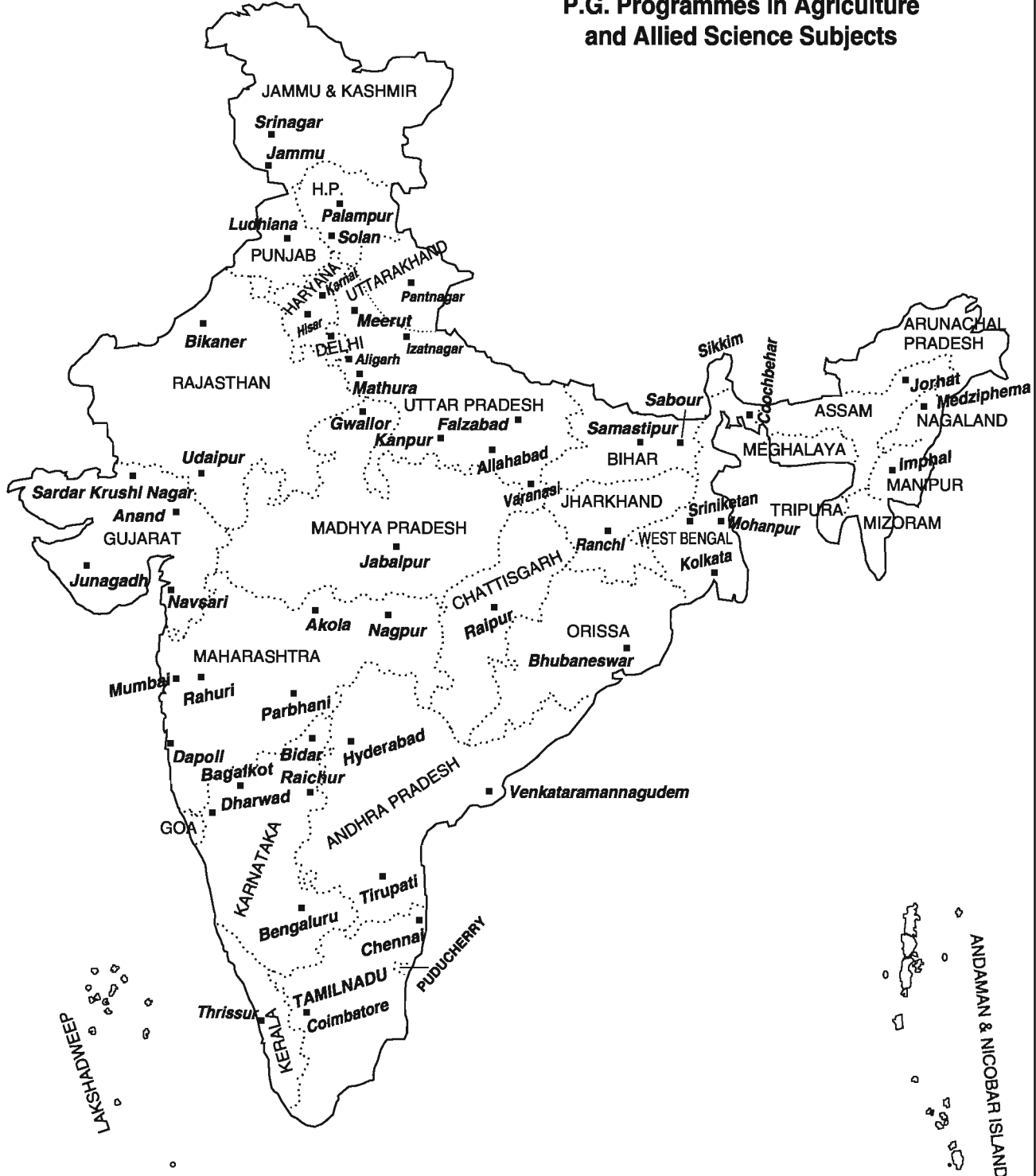
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- (i) Application Form and Admit Card
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INDIA

Location of Universities
for admission in
P.G. Programmes in Agriculture
and Allied Science Subjects



(Map is only indicative and not to scale)

Scope of Agricultural Education

Agriculture has been the mainstay of Indian economy since ages. The science and art of agriculture has many references in the Vedic literature and the ancient history of the mankind. The agriculture sector in India provides livelihood to about 52% of the population of the country and contributes about 16% to the Gross Domestic Product. Trained human resource has been the key factor behind the Green Revolution that has led India to become self reliant in food and becoming a fast developing economy. Knowledge based, input-use efficient, eco-friendly, and high tech precision agriculture has been the next stage for which efforts have been directed by Indian Council of Agricultural Research (ICAR) and the Agricultural Universities (AUs) in planning, designing and executing the national agricultural educational programmes. Considering the importance of Agricultural Education, University Education Commission under the Chairmanship of Dr. S. Radhakrishnan, recommended the establishment of independent Rural Universities in the country in the year 1948. As a result of this recommendation, first State Agricultural University was established in 1960 at Pantnagar on the pattern of the Land Grant Colleges of the United States. The University Grants Commission accorded the status of Deemed to be University (DU) to Indian Agricultural Research Institute, New Delhi in 1958 which became the first ICAR Institute as Deemed University conducting postgraduate teaching and research. Today, the country has a large ICAR-AU system with a total of 56 Agricultural Universities (AUs) comprising of 46 State Agricultural and Veterinary Universities, 1 Central Agricultural University, Imphal, 4 ICAR-DUs (IARI, IVRI, NDRI and CIFE), 4 Central Universities having agricultural faculty (BHU, AMU, Viswa Bharati and Nagaland University) and 1 Sam Higginbottom Institute of Agriculture, Technology & Sciences (SHIATS), Allahabad (formerly Allahabad Agricultural Institute) awarding various kinds of degrees in different disciplines of agricultural, veterinary and allied sciences. Agricultural education is also imparted in some traditional universities of the country. Agricultural education system is producing invaluable human resource every year in agricultural sciences comprising about 15,000 graduates, 11,000 Masters and about 2500 Ph.D.s annually.

Large number of Master degree holders from agricultural sciences go for higher education in Indian Universities and abroad. These include Ph.D. degree programmes in about 91 subjects of contemporary interests at the Indian Agricultural Universities. The degrees awarded by the Universities associated with the ICAR are well recognized and accepted for higher education globally. Some of the postgraduates also start their own business units including the Agri. Clinics and Agro Service Centres. Following are some of the sectors providing placement to the agricultural postgraduates :-

- (i) Development and Research Departments of Central and State Governments
- (ii) Commercial Banks and Insurance Sector
- (iii) Area development/ watershed development agencies including NGOs
- (iv) Industry dealing with fertilizers and plant nutrients
- (v) Plant protection chemicals, insecticides and pesticides, veterinary drugs manufacturing and marketing companies
- (vi) Organizations dealing in seeds and planting materials
- (vii) Industries dealing with Ag. Machinery, Sericulture, Horticulture, Fisheries, Dairy, Poultry etc.
- (viii) Manufacturers and suppliers of irrigation systems
- (ix) Agricultural and animal products processing industry
- (x) Multi-Nationals dealing with production, field evaluation, and marketing of agricultural inputs including export marketing and consultancy services.

Presently, efforts are being directed by the ICAR and Agricultural Universities to impart necessary skills and confidence among agricultural graduates to start and operate their own business units through first-hand experience of running Model Farms and Pilot-Plants during the course of study. ICAR provides annual grants to AUs for infrastructural development, scholarships/fellowship schemes and monitoring system through Accreditation norms for quality assurance. Besides, the teaching quality is also stressed through continuous national and international training programmes for the faculty. The educational satellite named EDUSAT is to be utilized for agricultural education through ISRO and IGNOU by providing study centres with two-way audio and video facilities for interactive learning in each University. In summary, Agricultural Education could be termed as one of the most relevant education in the country for growth and sustainable development.

Sources for Availability of Information Bulletin with Application Form

- (A) The forms can be obtained by cash payment from Registrars of Agricultural Universities or from the specified branches of Syndicate Bank and also from five ICAR Institutions by payment through Bank Draft from 27 December 2010 to 15 February 2011.
- (B) **FROM SYNDICATE BANK BRANCHES:** On payment by cash in the following four branches in Delhi only:
NEW DELHI (1) 1st Floor, Arunachal Building, 19, Barakhamba Road, (2) Delhi Tamil Sangam Building, Sector 5, R.K. Puram, (3) Institute of Hotel Management, Amar Colony, Near Guru Nanak Market, Lajpat Nagar (4) Pusa Campus Main Branch, IARI, Pusa.
(These branches will not entertain any request for Information Bulletin to be sent by Post)
- (C) **FROM ICAR INSTITUTIONS** (By Depositing Bank Draft Only)
Information Bulletin with Application Form can be obtained, in person, by depositing an account payee bank draft of amount mentioned above and from the sale counters at the following **ICAR Institutions:**
- (i) CARI, Port Blair, (ii) CIFE, Mumbai, (iii) IVRI, Izatnagar (iv) NAARM, Rajendranagar, Hyderabad, (v) NDRI, Karnal and (vi) ICAR-Examination Cell (Education Division), Room No. 216, ICAR, KAB-II, Pusa, New Delhi

NOTE:

Candidates can also obtain Information Bulletin with Application Form by sending a written request (on plain paper) along with an Account Payee Bank draft of the specified amount from **The Controller of Examination (Education) or Download** from ICAR website (<http://www.icar.org.in>).

ICAR's 16th ALL INDIA ENTRANCE EXAMINATION FOR ADMISSION (AIEEA-PG-2011) TO 25% (TENTATIVE) SEATS IN MASTER DEGREE PROGRAMMES OF AGRICULTURAL UNIVERSITIES, 100% SEATS OF ICAR DEEMED UNIVERSITIES AND AWARD OF ICAR-JRF(PGS) IN AGRICULTURE & ALLIED SCIENCE SUBJECTS FOR ACADEMIC SESSION 2011-12

1. INTRODUCTION

Triggered primarily by professional and academic linkage with Agricultural Universities (AUs), ICAR has been able to foster a countrywide arrangement with the AUs to set aside 25% seats of their seats for Master's degree programmes to be admitted through ICAR's All India Entrance Examination so as to reduce inbreeding, increase mobility among students, encourage national integration and infuse merit and uniform examination standards leading to improved overall quality of agricultural education. Besides, all (100%) seats of the four ICAR-DUs namely, Indian Agricultural Research Institute (IARI), Indian Veterinary Research Institute (IVRI), National Dairy Research Institute (NDRI) and Central Institute of Fisheries Education (CIFE) are also filled up through the same examination. ICAR's 16th AIEEA-PG-2011 examination for the academic session 2011-12 will be conducted at 28 examination city centres spread all over the country enabling participation of a large number of candidates seeking admission in Master's degree programmes in AUs in different disciplines of Agriculture, Horticulture, Forestry, Veterinary, Animal Sciences, Agri. Engineering, Home Science, Fisheries, Dairy Science and allied sciences. ICAR Junior Research Fellowships for post graduate studies namely, ICAR-JRF (PGS) will be awarded to 475 candidates based on merit in this examination as per their overall merit-rank and seat availability in different disciplines. Candidates qualified for counseling will be considered for allocation of subject and the Agricultural University as per counseling procedure described hereinafter under item 9.0. **There is no direct nomination through ICAR in any Master degree programme without qualifying in this examination.**

2.0 DEGREE PROGRAMMES AVAILABLE FOR ADMISSION

2.1. Major Subject Groups, Sub-subjects, No. of Seats & ICAR-JRF(PGS)

The master degrees are awarded by Agricultural Universities in 91 subjects under 20 major subject-groups namely, (1) Plant Biotechnology, (2) Plant Sciences, (3) Physical Science (4) Entomology and Nematology (5) Agronomy, (6) Social Sciences, (7) Statistical Sciences, (8) Horticulture, (9) Forestry/Agroforestry and Silviculture, (10) Agricultural Engineering & Technology (11) Water Science & Technology (12) Home Science, (13) Animal Biotechnology (14) Veterinary Science, (15) Animal Sciences (16) Fisheries Science, (17) Dairy Science, (18) Dairy Technology, (19) Food Science Technology and (20) Agri-Business Management. Candidate should select one major subject-group among the following for appearing in the Entrance Examination, based on the compatibility with his/her own subject area at his/her graduation level. The sub-subject choices, within the major subject-group in which the candidate qualifies the entrance examination will be available at the time of counseling. Number of seats and ICAR-JRF (PGS) in various subjects/sub-subjects are given below; the number is tentative at present, the final position will be known at the time of counseling.

TABLE 2.1

Major Subject Groups, Sub-subjects, No. of Seats & ICAR-JRF (PGS)

Major Subject Code	Major Subject-Group	Sub-Subject Code	Sub-Subject	No of Seats (Tentative)	Total ICAR-JRF (PGS)	No. of ICAR-JRF (PGS) (Tentative)				
						Gen.	SC	ST	PH	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
A. PLANT BIOTECHNOLOGY				Total	157	27	21	04	02	01
		A-1	Plant Biochemistry	41	07	06	01	00		
		A-2	Plant Biotechnology & Molecular Biology/Biotechnology	64	11	08	02	01	01	
		A-3	Plant Physiology/Crop Physiology	52	09	07	01	01	00	

Major Subject Code	Major Subject-Group	Sub-Subject Code	Sub-Subject	No of Seats (Tentative)	Total ICAR-JRF (PGS)	No. of ICAR-JRF (PGS) (Tentative)			
						Gen.	SC	ST	PH
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
B.	PLANT SCIENCES Total			315	56	43	09	04	02
		B-1	Plant Breeding and Genetics	135	24	18	04	02	01
		B-2	Plant Pathology	106	19	15	03	01	01
		B-3	Agricultural Microbiology	33	06	05	01	00	00
		B-4	Seed Science and Technology	36	07	05	01	01	00
		B-5	Plant Genetic Resources	03	00	00	00	00	00
C.	PHYSICAL SCIENCE Total			175	30	23	05	02	01
		C-1	Agricultural Meteorology	19	03	02	01	00	00
		C-2	Soil Science and Agricultural Chemistry/Soil Conservation and Water Management/SWC/Irrigation and Water Management	125	22	17	03	02	01
		C-3	Agricultural Physics	03	00	00	00	00	00
		C-4	Agricultural Chemicals	10	02	02	00	00	00
		C-5	Environmental Science	18	03	02	01	00	00
D.	ENTOMOLOGY AND NEMATOLOGY Total			148	26	21	03	02	01
		D-1	Agricultural Entomology	118	21	16	03	02	01
		D-2	Nematology	16	03	03	00	00	00
		D-3	Apiculture	01	00	00	00	00	00
		D-4	Sericulture	06	01	01	00	00	00
		D-5	Plant Protection	07	01	01	00	00	00
E.	AGRONOMY Total			147	26	20	04	02	01
		E-1	Agronomy/Forage Production/Farming Systems Management (at TNAU, Coimbatore only)	145	26	20	04	02	01
		E-2	Tea Husbandry	02	00	00	00	00	00
F.	SOCIAL SCIENCES Total			206	36	28	05	03	01
		F-1	Agricultural Economics	104	18	14	02	02	01
		F-2	Agri. Extension Education/Communication Development	101	18	14	03	01	00
		F-3	Sociology	1	00	00	00	00	00
G.	STATISTICAL SCIENCES Total			51	07	05	01	01	00
		G-1	Agricultural Statistics	33	05	03	01	01	00
		G-2	Statistics	03	00	00	00	00	00
		G-3	Computer Application	07	01	01	00	00	00
		G-4	Bioinformatics	08	01	01	00	00	00
H.	HORTICULTURE Total			192	34	26	05	03	01
		H-1	Horticulture	52	09	07	01	01	00
		H-2	Vegetable Crops/Olericulture	49	09	07	01	01	01
		H-3	Pomology (Fruit and Orchard Mgt. of Plantation crops, Fruit Breeding Plantation)	36	06	04	01	01	00
		H-4	Post-harvest Technology of Horticultural Crops/ PHM	19	03	02	01	00	00
		H-5	Floriculture and Landscaping	27	05	04	01	00	00
		H-6	Spices and Plantation Crops, Medicinal & Aromatic Plants	09	02	02	00	00	00

Major Subject Code	Major Subject-Group	Sub-Subject Code	Sub-Subject	No of Seats (Tentative)	Total ICAR-JRF (PGS)	No. of ICAR-JRF (PGS) (Tentative)			
						Gen.	SC	ST	PH
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
J.	FORESTRY/AGROFORESTRY AND SILVICULTURE Total			36	07	05	01	01	00
		J-1	Forest Products	04	01	01	00	00	00
		J-2	Silviculture	06	01	01	00	00	00
		J-3	Forestry and Tree Genetic Resource	11	02	01	00	01	00
		J-4	Agro Forestry	15	03	02	01	00	00
K.	AGRICULTURAL ENGINEERING AND TECHNOLOGY Total			127	23	18	03	02	01
		K-1	Soil and Water Conservation	33	06	04	01	01	00
		K-2	Irrigation and Drainage Engg./Irrigation and Water Management Engineering	13	02	02	00	00	00
		K-3	Agri. Process and Food Engg./ Processing and Agri. Structures / Process Engg./ P.H.T. Engg.	40	07	05	01	01	01
		K-4	Farm Implements and Machinery/ Farm Power and Machinery	32	06	05	01	00	00
		K-5	Bio-energy including Renewable Energy Mgt.	09	02	02	00	00	00
L.	WATER SCIENCE AND TECHNOLOGY Total			04	01	01	00	00	00
		L-1	Water Science and Technology (only at IARI, New Delhi)	04	01	01	00	00	00
M.	HOME SCIENCE Total			96	17	13	03	01	00
		M-1	Food and Nutrition	35	06	04	01	01	00
		M-2	Human Development and Family Studies/Child Development	18	03	02	01	00	00
		M-3	Home Management/ Family Resource Management	17	03	03	00	00	00
		M-4	Clothing and Textile	17	03	02	01	00	00
		M-5	Home Science Extension Education	09	02	02	00	00	00
N.	ANIMAL BIOTECHNOLOGY Total			62	11	08	02	01	00
		N-1	Animal Biotechnology	26	05	04	01	00	00
		N-2	Veterinary/Animal Biochemistry	36	06	04	01	01	00
O.	VETERINARY SCIENCE Total			326	58	45	09	04	02
		O-1	Veterinary Anatomy (& Histology)	25	05	04	01	00	00
		O-2	Vety. Obst. Gynae/R.Bio/Animal Rep.	41	07	05	01	01	00
		O-3	Vety. Medicine (Clinical and Preventive)	40	07	05	01	01	01
		O-4	Veterinary Parasitology	32	06	05	01	00	00
		O-5	Vety. Pharmacology and Toxicology	32	06	04	01	01	01
		O-6	Vety. Pathology	35	06	05	01	00	00
		O-7	Epidemiology/Wild Life Sci./Health Mgt.	11	02	02	00	00	00
		O-8	Vet. Virology	10	02	02	00	00	00
		O-9	Vet. Immunology/ Bacteriology	08	01	01	00	00	00
		O-10	Veterinary Microbiology/ Radiology	31	05	04	01	00	00
		O-11	Veterinary Surgery	41	07	05	01	01	00
		O-12	Veterinary Public Health	20	04	03	01	0	00

Major Subject Code	Major Subject-Group	Sub-Subject Code	Sub-Subject	No of Seats (Tentative)	Total ICAR-JRF (PGS)	No. of ICAR-JRF (PGS) (Tentative)			
						Gen.	SC	ST	PH
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
P.	ANIMAL SCIENCES Total			338	61	48	09	04	02
		P-1	Animal Husbandry/Ani. Sc./Dairy Sc.	28	05	04	01	00	
		P-2	Animal Genetics and Breeding	55	10	07	02	01	
		P-3	Animal Nutrition/Feed/Fodder Tech.	63	11	08	02	01	01
		P-4	Vety/Animal Physiology	37	07	05	01	01	
		P-5	Livestock Production and Management	55	10	08	01	01	01
		P-6	Livestock Product Technology and Meat Science Tech.	19	04	04	00	00	00
		P-7	Poultry Science	26	05	04	01	00	00
		P-8	Animal Husbandry/Veterinary Extension Education/ Dairy Extn. Education	32	05	04	01	00	00
		P-9	Livestock/Animal Husbandry/ Veterinary Economics/Dairy Economics	18	03	03	00	00	00
		P-10	Bio Statistics	04	01	01	00	00	00
Q.	FISHERIES SCIENCE Total			125	21	16	03	02	01
		Q-1	Fisheries Sciences/Fish Hydro/ Fish Env./Fish IT/FL/Indus. Tech.	05	00	00	00	00	00
		Q-2	Fisheries Resource Management/FPM	13	02	02	00	00	00
		Q-3	Inland Aquaculture/Mariculture/ Freshwater culture	31	05	03	01	01	00
		Q-4	Fish Processing Technology	14	02	02	00	00	00
		Q-5	Aquatic/Fish Biology	08	01	01	00	00	00
		Q-6	Fish Microbiology/Fish Pathology	11	02	01	01	00	00
		Q-7	Fisheries Extension	11	02	01	00	01	00
		Q-8	Aquatic Env. Management	09	02	01	01	00	00
		Q-9	Post-Harvest Technology (Fisheries)	7	01	01	00	00	00
		Q-10	Fish Genetics and Biotechnology	09	02	02	00	00	01
		Q-11	Fish Nutrition and Biochemistry	04	01	01	00	00	00
		Q-12	Fish Business Management/ Fish Economics	05	01	01	00	00	00
R.	DAIRY SCIENCE Total			31	06	05	01	00	00
		R-1	Dairy Microbiology	16	03	02	01	00	00
		R-2	Dairy Chemistry	15	03	03	00	00	00
S.	DAIRY TECHNOLOGY Total			36	07	05	01	01	00
		S-1	Dairy Technology	26	05	03	01	01	00
		S-2	Dairy Engineering	10	02	02	00	00	00
T.	FOOD SCIENCE TECHNOLOGY Total			28	05	04	01	00	00
		T-1	Food Science and Technology	28	05	04	01	00	00
U.	AGRI BUSINESS MANAGEMENT Total			101	16	13	02	01	00
		U-1	Agri Business Management/ MAEBM/RBFM	98	16	13	02	01	00
		U-2	Agri. Mktg. & Coop./RBFM	03	00	00	00	00	00
GRAND TOTAL				2700	475	368	71	36	14*

* 3% reservation in ICAR-JRF (PGs) for Physically Handicapped (PH) category will be horizontal across all categories, i.e. such candidates would draw JRF from the GEN/SC/ST category to which they belong.

NOTE:

1. The exact title/nomenclature of the degree programme may vary from one university to another. Candidates are advised to enquire the nomenclature of degree programme from the university concerned at the time of counseling while seeking admission.
2. The number of fellowships is tentative and may vary depending on the actual number of seats and admissions in a particular discipline. It will finally be known only at the time of counseling.
3. There will be no transfer of ICAR-JRF even if a candidate awarded JRF at the time of counseling does not turn up for admission in the university or leaves in between for any reason.
4. There is no reservation of ICAR-JRF for candidates of OBC and UPS category. They would be entitled for ICAR-JRF based on overall merit.

3.0 ELIGIBILITY REQUIREMENTS

3.1 Age and Nationality: Indian Nationals having age not below 19 years as on 31.08.2011 (i.e., candidate should not have been born after 01.09.1992) are eligible to sit in the examination. No relaxation is admissible regarding the minimum age limit.

3.2 Qualifying Examination

- (i) Candidate must have passed (or due to appear at the final examination) their Bachelor degree in the concerned field under 10+2+5, 10+2+4 years degree programmes may apply for this examination. Very few options are also available for candidates having passed Bachelor degree with 10+2+3 year degree programme.
- (ii) The candidate must have passed Bachelor degree examination securing Overall Grade Point Average (OGPA) of at least 6.60/10.00 in ten-point scale, at least 3.25/5.00 in five-point scale, at least 2.60/4.00 in four-point scale for General, OBC and UPS categories whereas for SC/ST/Physically Handicapped (PH) candidates the said requirement is an OGPA of at least 5.60/10.00, 2.75/5.00, 2.20/4.00, respectively. In other cases, where grade-points are not awarded and only marks are awarded, the candidate must have secured at least 60% marks for General, OBC and UPS categories, whereas for SC/ST/PH categories the requirement is 50% marks. (Please note that equivalence between OGPA and % marks will not be acceptable).
- (iii) For admission in M.V.Sc. programmes the candidate must have completed B.V.Sc. & A.H. with Internship before the date of registration for admission in the concerned University.
- (iv) Broad eligibility qualifications for admission to different disciplines at the Agricultural Universities are given below:

TABLE 3.2 : ELIGIBILITY QUALIFICATIONS FOR ADMISSION IN DIFFERENT DISCIPLINES

S. No	Subject/Discipline	Eligibility Qualification for SAU/CAU etc.(B. Sc. degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI &(4) CIFE	Applicable at
[1]	[2]	[3]	[4]	[5]
1.	Plant Bio-Chemistry	Agriculture/Horticulture	B.Sc. (10+2+3 system)	IARI
2.	Plant Bio-Technology	Agriculture/Horticulture/ Forestry/Sericulture/ Biotechnology	B.Sc. (10+2+3 system)	IARI
3.	Plant/Crops Physiology	Agriculture/Horticulture/	B.Sc. (10+2+3 system)	IARI
4.	Plant Breeding and Genetics/ Plant Genetic Resource	Agriculture/Horticulture/Forestry	B.Sc. (10+2+3 system)	IARI
5.	Plant Pathology	Agriculture/Horticulture/Forestry	B.Sc. (10+2+3 system)	IARI
6.	Agricultural Microbiology	Agriculture/Horticulture	B.Sc. (10+2+3 system)	IARI
7.	Seed Science & Technology	Agriculture/Horticulture/Forestry	B.Sc. (10+2+3 system)	IARI
8.	Agricultural Meteorology	Agriculture/Horticulture/Forestry/ Agroforestry		
9.	Soil Science & Agri. Chemistry	Agriculture/Horticulture	B.Sc. (10+2+3 system)	IARI

S. No	Subject/Discipline	Eligibility Qualification for SAU/CAU etc.(B. Sc. degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI &(4) CIFE	Applicable at
[1]	[2]	[3]	[4]	[5]
10.	Soil Conservation & Water Management	Agriculture/Horticulture/Forestry		
11.	Irrigation & Management	Agriculture/Horticulture	B.Sc. (10+2+3 system)	IARI
12.	Agri. Physics	Agriculture/Horticulture	B.Sc. (10+2+3 system)	IARI
13.	Agri. Chemicals	Agriculture/Horticulture/Forestry	B.Sc. (10+2+3 system)	IARI
14.	Environmental Science	Agriculture/Horticulture/Forestry/ Agril. Engineering	B.Sc. (10+2+3 system)	IARI
15.	Agricultural Entomology	Agriculture/Horticulture/Forestry/ Agroforestry/Sericulture	B.Sc. (10+2+3 system)	IARI
16.	Nematology	Agriculture/Horticulture/Forestry	B.Sc. (10+2+3 system)	IARI
17.	Apiculture	Agriculture/Horticulture/Forestry		
18.	Sericulture	Agriculture/Horticulture/Forestry		
19.	Agronomy/Forage	Agriculture B.Sc. Ag/ Production	B.Sc. Ag Hons/B.Sc. Ag & AH	NDRI
20.	Tea Husbandry	Agriculture (Only 2 seats at AAU Jorhat)		
21.	Farming Systems Mgmt	Agriculture		
22.	Agricultural Economics	Agriculture/Horticulture/ Agricultural Marketing, Banking and Co-operation		IARI
23.	Dairy Economics	B.Sc. (Dairy Tech.)/Dairy Engineering/ B.V.Sc. & A.H.	B.Sc. (Dairying)/B.Sc. Dairying (DT) /B.V.Sc. & AH/B.V.Sc./B.Sc. (Animal Sciences)/B.Sc. (Ag)/ B.Sc. (Agril. Marketing & Coop./ Agribusiness) /B.Sc./B.A. Hons. in Economics	NDRI
24.	Agri. Extension Education	Agriculture/Horticulture/ Agricultural Engineering/ Forestry/ Sericulture		IARI
25.	Communication Development	Agriculture/Horticulture/ Agricultural Engineering/Forestry/Sericulture		
26.	Agri. Business Management	Agriculture/Horticulture/ Agricultural Engg./ Forestry / Home Science/ Veterinary/Agril. Marketing & Coop.		
27.	Dairy Extension Education	Dairying (DT/DH)/ B. Tech. (DT) B.V.Sc. & A.H.	B.Sc. Dairying/B.Sc. Dairying (DT/DH), B.Sc (Animal Sciences), B.Tech. (DT), B.V.Sc./B.V.Sc. & AH, B.Sc (Ag)/B.Sc. (Ag. & AH). B.Sc. (Home Sc. with elective extension education and 4 years degree), B.Sc. (Agril. Marketing & Co-operation)	NDRI
28.	Agricultural Statistics	Agriculture/Horticulture/ Forestry/ Agroforestry/ Sericulture/ Agricultural Marketing	B.Sc. (10+2+3 system)	IARI
29.	Computer Application	Agriculture/Computer Science/ Agril. Engineering/B.Sc. (Hort.), Vety. Science/Home Science/B.Sc. (Forestry) B.Sc. with Maths/ Statistics/Physics/Biology	B.Sc. (10+2+3 system)	IARI
30.	Statistics	B.Sc (Hons.) Ag./B.Sc. with Maths/ B.Sc. (Computer Science)/ B.Tech		CCSHAU
31.	Bioinformatics	B.Sc. in any discipline of science		CCSHAU
32.	Horticulture (including all subjects listed under Horticulture group at H)	Horticulture (and Agriculture only in selected Universities)		

S. No	Subject/Discipline	Eligibility Qualification for SAU/CAU etc.(B. Sc. degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI &(4) CIFE	Applicable at
[1]	[2]	[3]	[4]	[5]
33.	(i) Forestry (including Tree Genetics) (ii) Forest Product	Forestry/Agro-forestry Forestry Forestry/Agro-forestry		
34.	Silviculture/Agro-forestry	Forestry/Agro-forestry		
35.	Agricultural Engineering(includes all subjects listed under group K)	Agril. Engineering/ Agri. & Food Engg./ Mechanical/ Civil/Elect./ Electronics/ Production Engg./ Food Engg./ Process and Food Engg.		
36.	Water Science & Technology	B.Sc. (Agriculture)/Horticulture/ B.Tech./B.E. (Agri. Engg.)		IARI
37.	Home Science(include all subjects listed in Home Science group at M)	B.Sc. (Home Science) 4 years programme (only few seats for 3 years B.Sc. (Home Science) graduates)		
38.	Animal Husbandry/ Veterinary Extension Education	B.V.Sc. & A.H.		
39.	Animal Biotechnology	B.V.Sc. & A.H.	B.Sc. Dairying/B.Sc. Dairying(DT/DH), BE/ B.Tech (Biotechnology) B.Tech. (Chemical Engineering/ Biochemical Engineering/ Food Technology/ Fermentation Technology), B.V.Sc./ B. Pharma Biotechnology, B.Sc. Biotechnology, B.Sc. (Bio-informatics), B.Sc. (Animal Sciences).B.Sc. with any three of the following subjects: Chemistry, Botany, Zoology, Biochemistry, Microbiology, Physiology, Genetics, Bio-Technology.(B.Sc. Hons. degree holders in any one subject with other two as subsidiary subjects are not eligible)	NDRI
40.	Animal Biochemistry/ Vety. Biochemistry	B.V.Sc. & A.H.	B.Sc. Biochemistry, B.Sc. (Hons) Biochemistry/Biotechnology, B.V.Sc. with one subject as Biochemistry/ Biotechnology.B.Sc. with Chemistry and any two of the following: Zoology, Botany, Mathematics, Physics, Genetics, Biochemistry, Microbiology, Biotechnology. (B.Sc. Hons. degree holders in any one subject with other two as subsidiary subjects are not eligible)	NDRI
41.	Veterinary Anatomy	B.V.Sc. & A.H.		
42.	Veterinary Surgery	B.V.Sc. & A.H.		
43.	Clinical Medicine	B.V.Sc. & A.H.		
44.	Preventive Medicine	B.V.Sc. & A.H.		
45.	Veterinary Public Health/ Epidemiology	B.V.Sc. & A.H.		
46.	Veterinary Microbiology; Bacteriology, Virology and Immunology	B.V.Sc. & A.H.		
47.	Veterinary Obstetrics and Gynaecology	B.V.Sc. & A.H.		
48.	Veterinary Pathology (including Wild Life)	B.V.Sc. & A.H.		
49.	Bio Statistics	B.V.Sc. & A.H.		IVRI

S. No	Subject/Discipline	Eligibility Qualification for SAU/CAU etc.(B. Sc. degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI &(4) CIFE	Applicable at
[1]	[2]	[3]	[4]	[5]
50.	Veterinary Pharmacology and Toxicology	B.V.Sc. & A.H.		
51.	Veterinary Parasitology	B.V.Sc. & A.H.		
52.	Veterinary Immunology	B.V.Sc. & A.H.		
53.	Veterinary Virology	B.V.Sc. & A.H.		Only at IVRI
54.	Epidemiology	B.V.Sc. & A.H.		
55.	Animal Husbandry/ Dairy Science	B.Sc. (Agri.)/B.Sc. (Dairying)/B.Sc. (Dairy Tech.)/B.V.Sc. & A.H.		
56.	Animal Genetics & Breeding	B.V.Sc. & A.H.	B.Sc. Dairying/B.V.Sc./B.V.Sc. & A.H./B.Sc. (Animal Science), B.Sc. (Ag.)/B.Sc. (Ag.&AH)/B.Sc. (Genetics)/B.Sc. (Biotechnology)	NDRI
57.	Animal Physiology/ Vety. Physiology	B.V.Sc. & A.H.	B.Sc. (Dairying)/B.Sc. Dairying (DH) B.V.Sc./B.V.Sc. & A.H./B.Sc. (Animal Sciences)	NDRI
58.	Animal Nutrition	B.V.Sc. & A.H.	B.Sc. (Agri.)/B.V.Sc./B.V.Sc. & A.H./ B.Sc. (Ag. & AH)	NDRI
59.	Animal Products Tech. & Meat Science	B.V.Sc. & A.H.		
60.	Livestock Production & Management	B.V.Sc. & A.H.	B.Sc. Dairying/B.V.Sc./B.V.Sc. & A.H./ B.Sc. (Animal Sciences) / B.Sc. (Agriculture Hons.)	NDRI
61.	Livestock/Vety. Economics	B.V.Sc. & A.H.		
62.	Poultry Science	B.V.Sc. & A.H.		
63.	Fisheries Sciences (includes all subjects listed in Fishery Science Group at Q)	Fisheries Sciences(4 years programme)	B.F.Sc. (Fish Science) (4 years programme)	CIFE
64.	Dairy Microbiology	Dairying (DT/DH)/ B.Sc. (DT)	B.Sc. Dairying/B.Sc Dairying (DT)/ B.Tech. (DT/Biotech)/B.V.Sc./B.V.Sc. & AH/B.Sc. (Ag)/ B.Sc. Food Tech/Food Sc./ B.Tech./ B.Sc. (Hons)/ B.Sc. in Microbiology/ Biotechnology/ B.Sc.(Industrial/Medical Microbiology) / B.Sc. (Microbial & Food Technology)/ B.Sc. with Microbiology/ Industrial Microbiology and any two of the following: Botany, Zoology/Chemistry, Genetics, Biochemistry. (B.Sc. Hons. degree holders in any one subject with other two as subsidiary subjects are not eligible)	NDRI
65.	Dairy Chemistry	Dairying (DT/DH)/ B.Sc. (DT)	B.Sc. Dairying/ B.Sc. Dairying (DT)/B.Tech. (DT)/ B. Tech/ B.Sc. Food Tech./Food Science/ Food Science & Technology/Biotechnology B.V.Sc./ B.V.Sc. & A.H. /B.Sc. (Agri.)/B.Sc. with Chemistry and any two of the following: Botany, Zoology, Genetics, Microbiology, Physics, Dairy Science, Biotechnology, Industrial Microbiology, Food Science & Quality Control, Biochemistry(B.Sc. Hons. degree holders in any one subject with other two as subsidiary subjects are not eligible)	NDRI
66.	Dairy Technology	Dairying/Dairy Technology	B.Sc. Dairying/B.Sc. Dairying (DT)/ B.Tech. (DT)/ B.Sc. (Food Tech.)/B.Tech. Food Tech (4 years degree)/ B.Sc. (Microbial & Food	NDRI

S. No	Subject/Discipline	Eligibility Qualification for SAU/CAU etc.(B. Sc. degree in)	Alternate Eligibility Qualification for (1) IARI, (2) IVRI, (3) NDRI &(4) CIFE	Applicable at
[1]	[2]	[3]	[4]	[5]
67.	Dairy Engineering	B.E./B.Tech./AMIE	Technology with 4 years degree) B.E/B.Sc. (Engg.)/ B.Tech. (AMIE/Agriculture/ Chemical/ Electrical/ Mechanical)/ B.Sc. Dairying/B.Tech. (DT)/ B.Tech. (Food Process Engineering, Food Engg. & Tech./Food Technology (4 years degree)	NDRI
68.	Food Science & Technology	Agriculture/Horticulture/Food Sci. & Technology/ B.Sc. Home Science with electives in Food & Nutrition/B.E. (Agril.)/ B. Tech. (Ag. Engg.)/ B. Tech. (Food Engg.)		
69.	Agri Business Management/Agril. Marketing Banking and Co-operation /Rural Marketing Management/ Rural Banking & Finance Management	Agriculture/Horticulture/Agril. Engg./Agril. Marketing, Banking and Co-operation/Sericulture/ Commercial Agriculture Business Management		

NOTE:

- Candidate must fulfill the eligibility conditions as indicated broadly above. Candidates are generally eligible for pursuing Master degree in the subject in which they have completed their graduation
- For admission in Master degree courses under ICAR-AU system, candidate must possess four years Bachelor's degree in Agriculture, Horticulture, Forestry, Fisheries Science, Home Science etc. after 10+2 or equivalent examination.
 - Master's degree programme for graduates **from non-agricultural stream** would be of **three years duration**, the first year of which will be exclusively for courses on introductory agriculture and orientation programmes.
- Though four/five years Bachelor degree is a compulsory requirement for admission to Master degree in Agriculture/Horticulture/Veterinary sciences but there are few universities that may admit three-years B.Sc. degree holders in certain subjects.
- There are only few seats available for graduates of certain disciplines viz. Agri. Marketing and Cooperation. (**Annexure-II**) In such cases, even if, called for counseling, admission to all candidates may not be feasible.
- Candidates called for counseling may seek admission only during the session for which examination has been conducted. They are not entitled to claim for admission in other sessions/subsequent years based on this year's examination.

4.0 UNIVERSITY-WISE AND SUBJECT-WISE NUMBER OF SEATS AVAILABLE FOR ADMISSION

ICAR seats (tentative number) available for admission through this examination in Master degree in different disciplines at Agricultural Universities for the academic session 2011–12 are given in **Annexure-II**. Exact seat position would be known only on the counseling date.

5.0 RESERVATION OF SEATS FOR SC/ST, PH, UPS AND OBC

5.1 Scheduled Caste/ Scheduled Tribe/ Physically Handicapped/ Other Backward Classes

- There would be reservation of seats as well as Junior Research Fellowships(ICAR-JRF(PGS)) to the extent of 15% for Scheduled Caste and 7.5% for Scheduled Tribe candidates in different disciplines. The reservation of seats among SC/ST categories is interchangeable, i.e., if sufficient number of candidates are not available to fill up seats as well as ICAR-JRF (PGS) reserved for ST candidates, these can be filled up from among suitable SC candidates and vice-versa in a given subject as per merit-rank in examination. The original SC/ST certificate in prescribed form (**Annexure-IV**) is required to be produced for verification.

- (ii) Three percent seats are reserved, **horizontally across the categories** in different subjects, for Physically Handicapped (PH) candidates suffering from low vision, hearing impairment, locomotor disability or cerebral palsy with appropriate medical certificate having at least 40% disability and found suitable by the Counseling Committee/University official. The candidate applying for admission under this category should submit a copy of the certificate about being handicapped from a Govt. Hospital/Medical Board (duly attested by a Gazetted Officer) at the time of counseling. The criteria for assessing the degree of handicap could be variable from one subject to another. The decision of the University allotted will be final in this regard.
- (iii) Reservation for candidates belonging to Central OBC category would be available at BHU, Viswa Bharati, AMU, SASARD Nagaland University, CAU, CIFE, IARI, IVRI and NDRI universities as per Government of India directives issued in this regard and communication of seats by these universities at the time of counseling. Candidates claiming admission under this category have to produce a Central OBC certificate as per specimen enclosed in **Annexure-V**

5.2 RESERVATION FOR REMOTE AND UNDER PRIVILEGED STATES/UT (UPS)

Two percent seats under each university would be reserved, **horizontally, across categories** for the candidates of the remote and under privileged States/UTs namely (i) Andaman & Nicobar Island, (ii) Arunachal Pradesh, (iii) Dadra and Nagar Haveli, (iv) Daman & Diu, (v) Goa, (vi) Lakshadweep, (vii) Manipur, (viii) Meghalaya, (ix) Mizoram, (x) Nagaland, (xi) Sikkim and (xii) Tripura where educational facilities in agriculture and allied science subjects do not exist and those who qualify this examination. UPS candidates will have to produce domicile certificate issued by the competent authority at the time of counseling. There will not be any State quota within this quota.

6.0 ICAR JUNIOR RESEARCH FELLOWSHIP FOR POST GRADUATE STUDIES, ICAR-JRF(PGS)

ICAR Junior Research Fellowships will be awarded to meritorious candidates seeking admission in the Agricultural Universities where Master's degree programme consists of course work and research work. Candidates pursuing Master degree programme can also apply for fresh admission and compete for ICAR-JRF(PGS) provided they have not completed the first year of their postgraduate degree programme. The ICAR-JRF(PGS) would be awarded for two years from the date of registration in the master degree programme. For graduates with 10+2+3, if admitted and awarded ICAR-JRF (PGS), no fellowship would be payable during the first year of their degree program, i.e. while completing remedial courses in the first year. No extension in ICAR-JRF(PGS) duration beyond 2 years will be granted. In case the fellowship allotted to a candidate is vacated for any reason, the same will not be allotted/transferred to any other candidate even if there are candidates next to him/her in the merit in same or other subject group. ICAR-JRF(PGS) awardees of last year(s), even if in merit, will not be awarded ICAR-JRF(PGS) again; however, admission would be granted to them as per their merit rank. Further, if ICAR-JRF(PGS) holder seeks fresh admission, entire amount of fellowship received by him/her shall have to be refunded with interest. The fellowship will be at the rate of ₹ 12,000/- per month for graduates of Veterinary Sciences pursuing Veterinary Studies and ₹ 8,640/- per month in other cases for a period of Two Years together with a Contingent Grant of ₹ 6,000/- per year for procurement of essential chemicals, equipments, books and travel connected with the research work. Not more than 50% of the Contingent grant will be spent for purchase of books. All purchases are to be made with the approval of the Major Advisor/Chairman, Student Advisory Committee. All candidates who have been awarded ICAR-JRF(PGS) have to execute a Bond of ₹ 40,000/- compulsorily at the time of registration at the University.

The admission as well as ICAR-JRF(PGS) will be given to only those candidates who join the Master degree programme in the University other than that from where he/she has obtained his/her Bachelor's degree except at NDRI, Karnal where admissions for 100% seats are made on All India basis through ICAR Entrance Examination. Under no circumstances, change of subject for ICAR-JRF(PGS) will be entertained.

7.0 GENERAL SCHEME OF ENTRANCE EXAMINATION

7.1 Examination Schedule

- (i) **DATE OF EXAMINATION** **SUNDAY, the 17 April 2011**
- (ii) **DURATION** **2½ hours, Time 10.00 A.M. to 12.30 P.M.**

7.2 Major Subject Groups, Question Papers and Writing Answers in the Examination

- (i) The examination shall have one question paper for each of the 20 major subject-groups, consisting of 150 multiple-choice, objective type questions, each with four options and also 10 cross-matching type questions, each having five sub-questions/pairings for every subject-group paper. The details of the 20 major subject-groups are given in **Table 2.1**
- (ii) In each subject-group, 150 multiple choice, objective type questions would be serially numbered from 1-150 whereas 10 cross-matching type questions would be serially numbered from 151-160.
- (iii) **Marking scheme:** Each correctly answered multiple-choice, objective type question will earn four marks whereas each correctly answered cross-matching type question will earn 5 marks (1 mark for each correct pairing) with a maximum of 650 marks for each major subject-group paper. For each incorrectly answered multiple-choice, objective type question, one mark would be deducted from the total score whereas for each incorrectly answered cross-matching type sub-question/pairing, 0.2 marks would be deducted from the total score. Question with no response indicated will not be awarded any mark and there will be no negative marking for that question. The candidates are advised not to attempt such questions in the OMR answer sheet, for which they are not sure of the correct answer. More than one answer indicated against a question will be deemed as incorrect answer and will invite negative marking.
- (iv) Candidate will be required to choose the correct answer and mark in the OMR answer sheet by shading/ darkening the corresponding circle/bubble against the serial number of the question with HB pencil or with black ball-point pen at his/her choice.
- (v) Syllabi for the 20 Major Subject-groups for the entrance examination are given at **ANNEXURE-I**.

7.3 Examination City Centres

- (i) A list of Examination City Centres with codes and the contact addresses of Nodal Officer at those cities is given in **ANNEXURE-VI**.
- (ii) Candidate must fill the numeric and alphabetic codes for the Examination City Centre from where he/she opts to appear for the Examination.
- (iii) **The Examination City Centre, once opted, shall not be changed. The Admit Card (Candidate Copy) is to be retained by the candidate and no change is possible. In case of any problem, please contact COE on telephone around third week of May 2011.**

7.4 Ensuring Eligibility Requirements are Satisfied: Candidate must fill-up the Application Form with due care and must ensure that he/she fulfills the eligibility requirements for the examination as detailed therein. No certificates are called for, to be attached with the Application at time of submission of Application and the eligibility of the candidate for the examination and admission later on, is not checked until the date of counseling/ personal appearance of the candidate where the related documents are checked and verified. In case the candidate is found not-eligible at that or later stage, his/her candidature would be summarily rejected.

7.5 Options for Agricultural University/ Subject for Admission: Candidates are not required to give any option for Agricultural University/subjects at the time of filling up application form. The allotment of seats in the Agricultural Universities will be made through personal appearance/counseling as per the choice made by the candidate in the Counseling Form, from amongst the seats available at his/her merit-rank within the Major subject-group in which he/she appeared for the Entrance Examination.

7.6 Admit Card: The Admit Card, in duplicate, has been provided along with the Application Form. The candidate must **fill all the entries in the Admit Card** except roll number and examination venue, **retain one copy and submit the other copy along with the application**. The roll number allotted to the candidate and the venue of examination would be displayed on the ICAR website at <http://www.icar.org.in> as per Application Serial Number and Date of Birth, from where the candidate is required to note down the details and fill the same in the copy of the Admit Card retained by him/her. This copy of Admit Card must be brought to the Examination Hall for appearing in the examination duly attested by Principal of the School last attended or a Gazetted Officer. Candidate may note that without the attestation of photo as well as signature of the candidate on both the copies, the admit card will be rejected. Candidate is advised to preserve this admit card till completion of admission in an Agricultural University. In case of any difficulty in obtaining the roll number/examination venue

from the ICAR website, the candidate is advised to contact the Nodal Officer of the Examination City center, two days before the scheduled examination date (contact details of Nodal Officers are at **Annexure-VI**).

7.7 Evaluation and Declaration of Result

- (i) OMR answer sheets of the candidates shall be scanned through computer/scanner and evaluated through computer by matching the OMR sheet responses of the candidate with the major subject-group-wise Answer Key templates prepared beforehand. Overall merit-rank list shall be prepared separately for every major subject-group. In the event of candidates getting equal marks in the Entrance examination, relative merit will be determined on the basis of marks obtained in the qualifying Bachelors' degree examination. In the event of tie again, a candidate, higher in age, would be rated higher in merit. **Reservation Category-wise merit-rank list shall be prepared on the basis of reservation category mentioned in the OMR answer sheet by the candidate.**
- (ii) The result of the AIEEA-PG-2011 is likely to be declared around **third week of May 2011**. The copies of the result will also be displayed at the examination cell of the Indian Council of Agricultural Research, Krishi Anusandhan Bhavan II, Pusa, New Delhi-110 012.
- (iii) The result of the entrance examination would be available in terms of overall merit-rank obtained by the candidate and also whether he/she has qualified for counseling or not.
- (iv) All announcements related to the conduct of entrance examination including, issue of examination notification, admit card information, examination result, call letter for counseling, general notices, etc. would be posted regularly and available on the ICAR website <http://www.icar.org.in>. The **candidates are advised to be vigilant about the announcements on the ICAR website as the ICAR would not be held responsible for non-receipt of any information by post or otherwise.**
- (v) No separate intimation about the non-selection of the candidate in AIEEA-PG-2011 Examination nor marks obtained therein will be available or sent to the candidate and no correspondence in this regard will be entertained.

7.8 No Re-Checking/ Re-Evaluation of OMR Answer Sheets: The answer sheets of the entrance examination are in the format of OMR sheets, which are evaluated through computerized scanning/processing. Therefore, there is no provision of re-checking/re-evaluation of OMR answer sheets. No correspondence in this regard will be entertained.

7.9 Admission through ICAR Examination

- (i) Based on the overall merit-rank, the candidate is allowed to take admission in a specific degree programme at an Agricultural University as per the choice of the candidate and the availability of seat at that merit rank through a process of counseling as explained **at item 9.0**. In the matter of allotment/admission of candidates to respective Agricultural Universities, the decision of the ICAR/Agricultural University concerned shall be final. Once a candidate accepts admission/joins an Agricultural University, he/she will be a bonafide student of that Agricultural University and he/she would, thereafter, be governed by all the academic rules/regulations including migration, as applicable at that university. ICAR will not entertain any request from the candidates in any matter thereafter.
- (ii) Once recommendation for admission is finalized, change in the placement of subject/university or transfer/migration would not be permissible. ICAR will have no responsibility for change of subject/university after the date of counseling. No correspondence in this respect will be entertained. Canvassing of any kind may invite cancellation of admission.
- (iii) Candidate selected for admission through All India Entrance Examination for Admission (AIEEA-PG), conducted by ICAR, may seek admission only during the session for which the Examination has been conducted. He/she will not be entitled for admission in subsequent sessions based on this year's Examination and thus cannot claim for seat allotment in other sessions/years based on this AIEEA-PG examination.
- (iv) Female candidates admitted through this examination on ICAR seats should be accommodated, to the extent possible, in the main campus of the University or in the campus located in a major city where there are adequate facilities for the stay of female students.

- (v) In case, at any stage, the documents submitted by the candidate are found to be fake/forged, admission of the candidate will be forfeited and he/she shall be liable for consequential legal action.
- (vi) If any candidate/person engages in act(s) that might possibly lead to the leakage of question paper (s), or attempt to use or help in the use of unfair means in the examination, he/she will be liable to legal action under the Indian Penal Code, and the candidature would be forfeited.
- (vii) Any external pressure/canvassing by the candidate for admission will be treated as disqualification and his/her admission will be cancelled forthwith.

7.10 LEGAL JURISDICTION: All disputes pertaining to the conduct of Examination and any other issue relating to All India Entrance Examination conducted by Education Division, ICAR, shall fall within the jurisdiction of Delhi Courts only.

NOTE: Students are warned not to indulge in any kind of ragging inside or outside the campus of the educational institution. Severe disciplinary action will be taken by the concerned institution against the students/persons found to be indulging in ragging.

8.0 INSTRUCTIONS TO CANDIDATES FOR EXAMINATION

8.1 Filling of Application Form

- (i) Every Information Bulletin bears a serial number (known as **Application Number**) at the bottom right hand corner which is also indicated at the top of Application Form and both copies of Admit Cards. Please check that this number is the same at all places. In case of any discrepancy, you must get the copy of Information Bulletin exchanged at the counter. **This Application number, Major Subject Group for examination, the Examination City Center chosen and the Sex, must be quoted in all correspondence.**
- (ii) A candidate can apply for giving examination in only one Major Subject Group. No change would be allowed thereafter. Choice of sub-subjects/degree programmes for admission will be available at the time of counseling based on availability of seats, and merit rank of the candidate.
- (iii) Application, filled-in, correctly in neat handwriting and complete in all respects, along with Acknowledgement card, affixed with postal stamp of an appropriate amount, should be submitted so as to reach the Controller of Examination(Education), ICAR, Room No. 216, Krishi Anusandhan Bhavan II, Pusa, New Delhi 110 012 on or before the last date i.e. **February 15, 2011**. The last date for receipt of Application from the candidates residing in remote areas such as Assam, Meghalaya, Arunachal Pradesh, Mizoram, Manipur, Nagaland, Tripura, Sikkim, J&K, Lahaul and Spiti District and Pangi Sub-division of Chamba district of Himachal Pradesh, Andaman & Nicobar Island and Lakshadweep, is **February 22, 2011**. Any application received after the last date will be summarily rejected and no claim/correspondence in this regard will be entertained. ICAR will not be responsible for any postal delays in this regard.
- (iv) The candidates appearing in the Master degree final examination are also eligible to apply provisionally and appear in the Entrance Examination, but they will have to submit documentary proof from the Registrar of the University of their acquiring eligibility on the date of counseling. Non-submission of documentary evidence of completion of degree and attaining eligibility by the counseling date will disqualify him/her for admission.
- (v) Candidates are not required to submit any certificates / marks sheet etc. with the Application. It is the sole responsibility of the candidates to ensure that they fulfill the specified eligibility in toto.
- (vi) Detailed instructions for filling and submitting application are given in **Annexure-X** of this Bulletin.
- (vii) If any candidate has been found at any stage to have furnished wrong information or deliberately suppressed any relevant information, his/her candidature/ admission will be rejected/cancelled as soon as it comes to the notice.
- (viii) CANDIDATE WHO IS IN SERVICE MUST SUBMIT APPLICATION THROUGH PROPER CHANNEL AS AN IN-SERVICE CANDIDATE IN THE FORMAT AS AT **ANNEXURE-XV**. THE IN-SERVICE CANDIDATE, SEEKING ADMISSION TO ICAR DUs, SHOULD SEE THEIR RESPECTIVE WEBSITE ALSO.

8.2 Conduct of Examination

- (i) Examination Hall will be opened to candidates 30 minutes before the commencement of examination.
- (ii) Candidate who does not possess Admit Card, duly attested, will not be admitted to the Examination Hall under any circumstances.
- (iii) Pre-written material in any form, notes/books etc., and mobile phones/ipods etc are not allowed inside the examination hall. For verification, candidate may be searched at any time during the examination.
- (iv) The examination will start strictly on time and an announcement to this effect will be made by the Invigilator.
- (v) A signal will be given at the beginning of the examination and at half-time. A signal will also be given at the closing time when the candidate must stop writing/markings the answers.
- (vi) Candidate who comes late, 30 minutes after the commencement of the examination will not be permitted.
- (vii) Five minutes before the commencement of the examination, each candidate will be given Question Booklet and OMR Answer Sheet.
- (viii) Immediately on receipt of Question Booklet, candidate should write/fill-in the required particulars on the cover page of the Question Booklet with **BLACK BALL-POINT PEN ONLY**. Candidate will not open the Question Booklet, until asked to do so by the Invigilator.
- (ix) Candidate will write required particulars on OMR answer sheet with **BLACK BALL-POINT PEN** on SIDE-I and with HB pencil or black ball-point pen on SIDE-II.
- (x) No candidate shall be allowed to leave the examination hall until the completion of examination and related formalities. Candidate will hand over Question Booklet and OMR Answer Sheet to the Invigilators before leaving the hall.
- (xi) After completing the examination and before handing over the Question Booklet and the OMR Answer Sheet, the candidate should once again check that all the particulars required in the Question Booklet and the OMR Answer Sheet have been correctly filled-in.
- (xii) The OMR Answer sheet shall be scanned and evaluated through computer and the **final category-wise merit list for counseling shall be prepared based on the information filled in the OMR Answer sheet**. It must be ensured by the candidate that Roll Number, Major Subject Group and Reservation Category are correctly written in the OMR Answer Sheet and also the OMR Answer Sheet is duly signed by the invigilator and the candidate at appropriate places.
- (xiii) Before leaving the Examination Hall, the candidate must ensure that OMR Answer Sheet and Question Booklet have been handed over to the invigilator on duty. In case, the candidate does not hand over the OMR Answer Sheet with Question Booklet to the invigilator and takes away the same with him/her, this shall amount to use of unfair means and the candidate will be declared failed besides inviting further necessary action.
- (xiv) Candidates are advised to bring with them their own writing material such as hard card-board (on which nothing should be written) and their own black ball-point pens, HB pencils, sharpener and erasers of good quality.
- (xv) Any attempt of using unfair means by the candidate during the examination process will liable him/her to be disqualified and his/her candidature for the examination would be forfeited.

8.3 Checking/Changing Question Booklet: Before attempting questions the candidate must check Question Booklet for any defect in printing/number of pages etc. and ensure that Question Booklet given to him/her is serially numbered and contains pages as written on top of the first page. In case of any discrepancy, the candidate should report immediately to the Invigilator concerned and get the Question Booklet changed. Change of question booklet would not be permitted 30 minutes after the start of examination. The candidate shall not remove any page(s) from the Question Booklet and if any page(s) is/are found missing from his/her Question Booklet, it will be treated as use of unfair means and shall render him/her liable for further necessary action.

8.4 Writing Answers on OMR Answer Sheet

- (i) Candidates are advised to go through the (Specimen) copy of OMR Answer sheet as at **Annexure–XII** very carefully and be conversant with the requirements of filling various particulars and marking the answers so that during the examination they could do so without any difficulty.

- (ii) OMR Answer Sheet used in the examination will be of special type amenable to scanning through Optical Scanner. There will be two sides of the OMR Answer Sheet, Side-I, containing particulars of candidate and Side-II, containing circles/bubbles.

Side - I (To be filled by black ball-point pen only)

Item No. 1–4: Write full name, father's name, roll number and code number of Examination City Centre in column 1 to 4 exactly as given in the admit card.

Item No. 5: Fill-in the Question Booklet serial number as indicated on the Question Booklet. You may suppress the leading zero, if any.

Signature in full, at the given box, which must match with the signature as recorded in the application form.

Side-II (Use HB pencil/black ball-point pen only)

Item No. 8: Fill in your roll number, writing one digit in each box and also shade/darken the corresponding circle/bubble in the vertical column underneath.

Item No. 9: Fill-in the alphabetic code, A-H, J-U, as the case may be for your **Major Subject-group** and shade/darken the circle/bubble underneath it.

Item No. 10: Shade/darken the circle/bubble for Reservation Category being claimed. **Note that after evaluation of Answer Sheet, the category-wise merit-rank list would be prepared on the basis of this information only.**

SC	–	for Scheduled Caste	ST	–	for Scheduled Tribe
PH	–	for Physically Handicapped	UPS	–	for Under Privileged States
OBC	–	for Other Backward Classes having Central OBC certificate			
GEN	–	for General category			

NOTE:

- (i) In case column 9 is left blank or filled wrongly, the candidate would expose himself/herself to the risk of evaluation under wrong major subject-group for which candidate himself/herself would be responsible. ICAR would not entertain any correspondence in this regard.
- (ii) In the event of leaving column 10 of OMR Answer sheet blank or filling wrongly, the candidate would be evaluated under General Category.
- (iii) It is the responsibility of the candidate to put his signature and also get the OMR Answer Sheet signed by the Invigilator which is a must for authentication and evaluation of the answer sheet.

- (iii) Corresponding to every serial number of question booklet, numbering 001 to 150 for multiple-choice objective type questions, there is a corresponding answer-row on the Side-2 of OMR Answer sheet, comprising of four circles/bubbles for recording correct answer to the question by shading/darkening the appropriate circle/bubbles and these circles/bubbles are marked with options A, B, C and D. Only one of these four options is the most appropriate and correct. The candidate is required to indicate his/her answer to the question by shading/darkening the appropriate circle/bubble completely with HB Pencil/ black ball-point pen. For example, the Question No.004 in the Question Booklet may read as follows:

Q.No. 004 .The unit of velocity is:

- | | | | |
|-----|-----------------|-----|------|
| (A) | ms-2 | (B) | ms-1 |
| (C) | ms ² | (D) | ms |

The correct answer to this question is (B) i.e. ms-1. The candidate will locate question No. 004 in the answer sheet and shade/darken the circle/bubble marked (B) as shown below:

Q. No. 004 A B C D

For each of the 10 cross matching type questions, serially numbered as 151-160, there shall be five sub-questions/pairings marked as (i), (ii), (iii), (iv) and (v) with corresponding answer-row comprising of five

circles/bubbles for recording correct answer to the sub-question/pairing by shading/darkening the appropriate circle/bubble and these circles/bubbles are marked with options A, B, C, D and E in an analogous manner as described above.

If the candidate does not want to attempt any question, he/she should not mark any of the circles/bubbles given against that question.

8.5 Changing an Answer: The candidate may opt to answer on the OMR Answer sheet by shading/darkening the appropriate circle/bubble either with black ball-point pen or HB pencil at his/her choice. However, candidates opting for answering with black ball-point pen will not be allowed to change the answer once marked as the computer processing will automatically discredit marking of more than one answers to a question during evaluation. In case of opting to answer with HB-pencil, the candidates would have an option to change the answer by completely erasing the pencil-mark, and then shading/darkening the appropriate circle/bubble with HB pencil. Candidate must also ensure that he/she does not leave any visible mark after erasing, otherwise the answer will be treated as wrong and it will invite negative marking. The candidate should bring his/her own black ball-point pen, eraser, sharpener and HB pencil (any other pencil like HH, HHH etc. should not be used).

8.6 Wrong/Incorrect Way of Marking: If more than one circle/bubble is shaded/darkened or if the answer is marked in any manner other than the one as shown above, it shall be treated as wrong. A lightly/faintly haded/darkened circle/bubble or otherwise marked circle/bubble will also be treated as wrong and shall be rejected during scanning through Optical Scanner. It will also invite negative marking. **Any indicative marking or stray marks on the OMR answer sheet shall be treated as an act of unfair means and shall discredit the candidate during optical scanning. The candidate must also ensure that the OMR answer sheet is not folded.**

8.7 Rough Work: The candidate will not do any rough work or writing work on the OMR answer sheet. Rough work, if any, must be done on the pages provided for rough work in the Question Booklet.

9.0 METHOD OF SELECTION AND ADMISSION THROUGH COUNSELING

9.1 Method of Selection:

- (i) The candidate declared/notified as qualified for counseling, based on the merit-rank, shall report for Counseling as per Counseling schedule at **Annexure–XI**. Candidate shall forfeit the claim for admission if he/she, in-person or through Authorized representative, does not report for counseling. **Candidate who has not been declared/notified as qualified for counseling shall not be considered for admission on ICAR seats in any Agricultural University at any stage.**
- (ii) Candidate will be recommended for admission in the sub-subject of choice under the major subject-group at the Agricultural University on the basis of merit in the Entrance Examination and availability of seats at his/her rank at the time of counseling. ICAR-JRF (PGS) will be awarded based on merit rank in the subject opted for admission, and availability of seat in the desired university.
- (iii) List of original documents with photocopies, to be produced at the time of counseling:
 - (a) Date of Birth Certificate
 - (b) Original Certificates along with Marks lists/grade reports of all examinations from Class-X onwards
 - (c) GPA reports of all semesters at graduation level examinations
 - (d) Provisional/Degree certificates of qualifying graduate examination issued by the university. (Those who do not have the provisional/degree certificate, should produce documentary proof from their Registrar about their latest academic status and likely date of declaration of the result/date of issue of Provisional/Degree Certificate)
 - (e) Character Certificate from Head of the institution last attended.
 - (f) Certificates for reserved categories
 - (g) Admit card for the entrance examination
 - (h) Counseling call/intimation letter from ICAR
 - (i) Authority letter/undertaking in the prescribed format (**Annexure-III**) if the candidate is unable to attend personally for counseling.

9.2 Admission through Counseling

- (i) The candidates qualified for counseling and called for consideration for provisional allocation to the Agricultural Universities would be generally larger than the number of seats available, provided they have achieved a minimum of 50% marks for General, OBC and UPS categories and a minimum of 40% marks for SC/ST/PH categories in the Entrance examination.
- (ii) The candidate, invited for counseling, will have to fill a prescribed **Counseling Form** (specimen at **Annexure–XIII**) at the time of counseling. Candidate should give his/her options for choice of subject/degree programme and University in order of preference.
- (iii) The candidate or authorized representative called for counseling (personal appearance) should bring the counseling intimation letter issued/downloaded from ICAR site, Admit Card, All Original Certificates with Mark-sheets, SC/ST/PH/UPS/OBC Category Certificate in original for verification and submission. An amount of ₹ 2,000/- (Rupees Two Thousand only) in Cash, should also be brought as part admission fee to be deposited with the Registrar of the allotted university.
- (iv) Authorized representative should also bring the duly filled-in Authority Letter, duly attested by competent authority (**Annexure-III**). One individual shall not act as representative for more than two candidates.
- (v) Candidate, not fulfilling the eligibility condition(s) at the time of counseling, will forfeit claim for admission and will not be considered for seat allocation. Candidature in such cases shall be rejected summarily. No correspondence shall be entertained thereafter in this regard.
- (vi) In view of the limited time availability for counseling at the counseling desk, each candidate is advised to keep a ready list of options, in case the filled in options of the candidate have been exhausted by the time candidate reaches the counseling desk. Candidate taking more time before the counseling desk may be asked to come at the end of the queue so that time of the remaining candidates is not wasted. In that case, the candidate shall lose claim of seat at his/her merit-rank.
- (vii) In case, all seats in the subject at the University opted for, are exhausted by the time candidate reaches counseling desk, he/she shall have the option to provide fresh choices of subject/university wherever seat is available. The candidate shall have no claim for change of subject/University thereafter.
- (viii) Against total number of ICAR seats available for a particular degree programme in a University, not more than 40% of ICAR seats from one State would be allocated to any one University in that subject. While computing 40% number, mathematical method of rounding to the nearest integer would be adopted except where there is only one seat, in which case, the whole seat would be allocated.
- (ix) Candidate reporting late for counseling beyond the time specified, on the specified counseling date, may be considered for admission on the counseling date, subject to valid/acceptable reason for late reporting, only out of the subjects & Universities available at the time of his/her actual counseling. He/she will lose any claim for seat at his/her merit-rank due to late reporting.
- (x) The fact that a candidate or his/her representative has appeared for Counseling, will not ensure admission unless a seat at the rank of the candidate for Counseling is available and he/she meets eligibility requirements.
- (xi) It should be noted carefully that ICAR allocates the University, whereas the choice of College within the University allotted shall be regulated by the University itself. Candidate may not approach ICAR, thereafter, for any specific College within the allotted University.
- (xii) In case a candidate has been allotted any university and subject at the time of counseling and the same has been accepted by the candidate, any request for change/transfer of subject/university thereafter, will not be entertained by ICAR. The candidate, once admitted in a degree programme as per his/her merit-rank and availability of seat at the time of counseling, will not stake claim for change of subject/University later on after his/her counseling is over.
- (xiii) All candidates or their authorized representatives reporting for Counseling will be required to submit original certificates and mark sheets to the Registrar of the allotted University, otherwise admission may not be granted. All original certificates submitted by the candidates may be sent to their respective Boards for verification. In case a candidate wishes to withdraw the original certificates after the admission, he/she shall request the allotted University for the same directly.

- (xiv) If any candidate fails to deposit the part admission fee and original certificates as required, the admission would not be granted and candidate would forfeit his/her claim for admission.
- (xv) All candidates or their authorized representatives reporting for Counseling will be required to submit original certificates and mark sheets to the Registrar of the allotted University, otherwise admission may not be granted. All original certificates submitted by the candidates may be sent to their respective Boards for verification. In case a candidate wishes to withdraw the original certificates after the admission, he/she shall request the allotted University for the same directly.
- (xvi) If any candidate fails to deposit the part admission fee and original certificates as required, the admission would not be granted and candidate would forfeit his/her claim for admission.

9.3 Admission through Waitlist

- (i) The candidate, who has attended the Counseling, but due to non availability of subject/University of his/her choice, has not accepted admission during the counseling but desires admission later on out of any consequential vacancy, should submit **request for admission through waitlist** in a **Wait-List proforma** which shall be provided at the time of counseling (specimen copy is at **Annexure-XIV**).
- (ii) The request for admission through Wait-List will be considered as per his/her choice, provided vacancy arises in the subject/university within the time limit of student-registration for admission at that university.
- (iii) If the candidate does not submit such a waitlist request at the time of counseling, it will be presumed that he/she is no more interested in admission on ICAR seats and no request received thereafter, will be considered.
- (iv) It may be noted that a **candidate who has been allotted a seat during counseling is not allowed to opt for waitlist vacancies.**
- (v) Candidate should further note that mere submission of wait-list proforma request does not guarantee admission unless seats fall vacant in his/her choice of university/subject within the time schedule for registration/admission.

9.4 Miscellaneous

- (i) ICAR seats, if remaining vacant even after utilizing the ICAR waitlist candidates, shall automatically stand released to the Agricultural University concerned for filling up at their level and as per their procedure for selection/admission.
- (ii) The candidate admitted provisionally to an Agricultural University through ICAR examination, shall have to report to the concerned Agricultural Universities on the date of registration, as notified by the concerned University. The candidate is, therefore, advised to be in constant touch with the University allotted. Date of joining/registration at the university must be enquired from the university official present during the counseling and carefully noted.

10.0 INSTITUTIONAL INFORMATION ON ICAR DEEMED-TO-BE UNIVERSITIES

Some information about number of seats, subject taught in some of the ICAR Institute based Deemed-to-be Universities is being provided here. The detailed information about these Institutions may be obtained from the respective university websites. The number of seats for admission indicated here are tentative and may be changed by the Universities as per their rules.

10.1 INDIAN AGRICULTURAL RESEARCH INSTITUTE, PUSA, NEW DELHI-110012

The Indian Agricultural Research Institute (IARI) is India's one of the foremost Institute in the field of research, higher education and training in agricultural sciences. The Institute has well equipped laboratories and experimental field for conducting advance level research of high order. The Central Library of the Institute is the largest Agro-Biological Library of Asia and it has been designated as the National Agricultural Library.

TABLE 10.1: SUBJECT-WISE TENTATIVE NUMBER OF SEATS FOR ADMISSION AT IARI, NEW DELHI DURING 2011–2012

Discipline	Tentative Allocation of Seats						Total
	General	SC	ST	PH+	UPS+	OBC	
1. Agricultural Chemicals	3	1	1	-	(1)	1	6
2. Agricultural Economics	2	1	-	-	-	1	4
3. Agricultural Engineering	6	1	-	-	-	1	8
4. Agricultural Extension (Extension Education)	3	1	1	-	-	1	6
*5. Agricultural Physics	2	-	1	-	-	-	3
6. Agricultural Statistics	5	1	1	-	(1)	1	8
7. Agronomy	3	1	-	-	-	-	4
8. Biochemistry	2	-	-	-	-	1	3
9. Computer Application	4	1	1	(1)	-	1	7
10. Entomology (Agri. Entomology)	3	1	-	-	-	-	4
11. Environmental Sciences	3	1	-	-	-	1	5
12. Genetics	3	1	-	(1)	-	1	5
13. Horticulture	4	1	-	-	-	1	6
14. Microbiology	3	-	-	-	-	1	4
15. Molecular Biology & Biotechnology (Plant Biotechnology)	3	1	-	(1)	-	1	5
16. Nematology	2	-	1	-	-	1	4
**17. Plant Genetics Resources	1	1	-	-	-	1	3
18. Plant Pathology	2	-	1	-	-	1	4
19. Plant Physiology	2	1	-	-	-	1	4
20. Seed Science & Technology	3	-	-	-	-	1	4
21. Soil Science & Agril. Chemistry	2	1	-	-	-	1	4
22. Water Science & Technology	2	-	1	-	-	1	4
23. Post Harvest Technology	2	1	-	-	-	1	4
24. Bioinformatics	3	1	1	-	-	1	6
Total	68	17	9	(3)	(2)	21	115

* Seats in this discipline will be filled from the merit list of Physical Science Group.

** Seats in this discipline will be filled from the merit list of Plant Breeding and Genetics.

+ Seats for PH/UPS categories are to be allocated horizontally over different categories and will be provided to the PH/UPS candidates against the category to which they belong.

NOTE : Details of the seats can be seen in **Annexure-II**.

Discipline in parenthesis is an equivalent nomenclature for that discipline.

Number of seats shown here are tentative and are subject to changes.

ADMISSION OF STUDENTS IN DIFFERENT STREAMS

- (a) General Open Stream : Based upon the Information given in this Bulletin
- (b) Departmental Seats at IARI : In this stream, **persons employed with IARI only, are eligible**. They have to fulfill all the requirements as for general open stream & admission will be granted by the Institute itself, and not through ICAR.
- Institute Scholarship : The students who are not able to secure ICAR-JRF (PGS) will be considered for providing financial assistance in the form of IARI fellowship @ ₹ 7,560/- per month (fixed) and a contingency grant of ₹ 6000 per year or as revised from time to time.

Academic Session is likely to begin on 4th August, 2011

10.2 INDIAN VETERINARY RESEARCH INSTITUTE, IZATNAGAR - 243 122, UTTAR PRADESH

The Indian Veterinary Research Institute (IVRI) which made a humble beginning in 1889 at Pune, has come a long way through its glorious past and has completed 107 years of dedicated service to livestock at global level. In recognition of long and sustained contributions in the field of research and education, the Institute was conferred the status of the Deemed University in 1983 (under the UGC Act, 1956) and the first academic session commenced in January 1985. The Institute has well equipped laboratories, animal sheds and other infrastructural facilities for carrying out post-graduate research of high quality. The Institute Library, National Library of Veterinary Science (NLVS), subscribes to a large number of books and foreign journals/periodicals which serve requirements for research and training organizations.

TABLE 10.2: SUBJECT-WISE TENTATIVE NUMBER OF SEATS AT IVRI FOR ADMISSION DURING 2011-2012

Discipline	Gen	SC	ST	PH ⁺	UPS ⁺	OBC	Total
1. Animal Genetics and Breeding	3	1	1	0	0	3	8
2. Animal Nutrition	4	1	1	(1)	0	2	8
3. Veterinary Animal Physiology	3	1	1	0	0	2	7
4. Animal Biochemistry	4	1	0	0	(1)	2	7
5. Bio-Statistics*	2	0	1	0	0	1	4
6. Animal Bio-technology	4	1	1	0	0	2	8
7. Epidemiology	1	1	0	0	0	1	3
8. Veterinary Extension Education	3	1	0	(1)	0	1	5
9. Livestock Product Technology	2	1	0	0	0	1	4
10. Poultry Science	4	2	1	0	0	3	10
11. Veterinary Bacteriology	3	1	0	0	0	2	6
12. Veterinary Gynaecology & Obstetrics	4	1	0	0	0	2	7
13. Veterinary Immunology	3	1	0	(1)	0	2	6
14. Veterinary Medicine	4	1	0	0	0	2	7
15. Veterinary Parasitology	4	1	1	(1)	0	2	8
16. Veterinary Pathology	4	1	1	0	0	2	8
17. Veterinary Pharmacology	3	1	0	0	0	2	6
18. Veterinary Public Health	3	1	0	0	0	2	6
19. Veterinary Surgery & Radiology	4	0	1	0	(1)	2	7
20. Veterinary Virology	4	1	1	0	0	2	8
21. Livestock Production & Management	3	1	1	0	0	0	5
22. Livestock Economics*	1	1	0	0	0	0	2
Total	70	21	11	(4)	(2)	38	140

*The minimum eligibility for admission is B.V.Sc. & A.H..

+ 4 seats for PH and 2 seats for UPS will be allocated horizontally against the category (Gen./SC/ST/OBC) to which they belong

NOTE:

The number of seats shown above is tentative. The exact number of seats will be known at the time of counseling.

Academic Session 2011–12 is likely to start on 1st September, 2011. No relaxation in joining time is allowed.

ADMISSION OF STUDENTS IN DIFFERENT STREAMS

- (a) General Open Stream : Based on the information given in this bulletin
- (b) Departmental candidates : They have to fulfill all the requirements as applicable for General open stream. Admission will be granted by the Institute itself.

Selection of Candidates : Selection will be on the basis of merit in the ICAR's All India Entrance Examination for Admission. The selected candidates will be required to report at IVRI, Izzatnagar as per the communication from the Registrar and submit the Original Certificates/ Mark Sheets of all the examination passed for verification.

10.3 NATIONAL DAIRY RESEARCH INSTITUTE, KARNAL, HARYANA

The National Dairy Research Institute is the premier institute that provides R&D support to Dairy Development programmes of the nation. Over the years, it has gained prominence as a front ranking education and research institute on global basis. The institute has well developed laboratories, farm cattle yard, Experimental Dairy and a Model Dairy plant to conduct high level research and impart higher education and training in the field of dairying. The likely date of start of academic session is from August 01, 2011.

TABLE 10.3: Subject-wise Tentative Number of Seats for P.G. Admission at NDRI Karnal, during 2011-2012

S.No.	Discipline	Seats for 2011–12 session				
		Gen	SC	ST	OBC	Total
1.	Dairy Microbiology	7	2	1	2	12
2.	Dairy Chemistry	5	2	1	2	10
3.	Dairy Technology	5	2	1	3	11
4.	Dairy Engineering	2	1	1	2	6
5.	Animal Biochemistry	4	2	1	3	10
6.	Animal Genetics & Breeding	4	1	1	3	9
7.	Livestock Production & Management	4	1	1	2	8
8.	Animal Nutrition	7	1	1	2	11
9.	Animal Physiology	5	1	1	3	10
10.	Dairy Economics	5	2	1	2	10
11.	Dairy Extension Education	5	2	0	2	9
12.	Animal Biotechnology	5	2	0	3	10
13.	Forage Production	1	1	1	1	4

Number of Seats at Southern Regional Station, NDRI, Bangalore. Karnataka

1.	Dairy Chemistry	1	-	-	1	2
2.	Dairy Technology	4	1	-	1	6
3.	Dairy Engineering	1	-	-	1	2
4.	Animal Genetics & Breeding	2	-	-	-	2
5.	Livestock Production & Management	-	-	-	1	1
6.	Animal Nutrition	-	-	-	1	1
7.	Diary Economics	1	-	-	-	1
8.	Diary Extension	-	-	-	1	1

Number of Seats at Eastern Regional Station, NDRI, Kalyani. West Bengal

1.	Livestock Production & Management	1	-	-	-	1
2.	Animal Nutrition	1	-	-	1	2
3.	Animal Biotechnology	1	-	-	-	1
4.	Dairy Economics	-	-	-	1	1
		71	21	11	38	141

4 seats for PH and 3 seats for UPS will be allotted horizontally against the category (Gen/SC/ST/OBC) to which they belong. Details of the seats can be seen in **Annexure II**.

- NOTE:**
- Non-Dairy Stream candidates would have to undergo one year additionally for completing remedial courses in Dairying. Exact number of seats will be known at the time of counseling.
 - For the candidates possessing Honors qualification, remedial courses will have to be taken by them.

10.4 CENTRAL INSTITUTE OF FISHERIES EDUCATION, MUMBAI (MAHARASHTRA)

The Central Institute of Fisheries Education (CIFE) came into existence as a Government of India set-up at Mumbai on 6th June 1961 with the assistance from FAO/UNDP. The Institute came under the administrative control of ICAR, New Delhi on 1st April 1979. In due recognition of its pioneering role in manpower development for fisheries sector, the Ministry of HRD and UGC accorded Deemed University status to CIFE on 29th March 1989. Thus CIFE has the distinction of being the First Fisheries University in India and in this part of the world.

TABLE 10.4: Subject-wise Tentative Number of Seats for P.G. Admission at CIFE, Mumbai During 2011-2012

Discipline	Allocation of Seats						
	General	SC	ST	PH ⁺	UPS ⁺	OBC	Total
1. M.F.Sc. (Fisheries Resources Management)	4	2	0	0	0	2	8
2. M.F.Sc. (Aquaculture)*	8	1	1	(1)	0	2	12
3. M.F.Sc. (Fisheries Extension)	4	1	1	0	(1)	2	8
4. M.F.Sc. (Aquatic Environmental Management)	3	1	1	0	0	1	6
5. M.F.Sc. (Post Harvest Technology)	3	1	1	0	0	2	7
6. M.F.Sc. (Fish Genetics and Breeding)	2	1	0	0	0	1	4
7. M.F.Sc. (Fish Physiology and Biochemistry)	2	0	0	0	0	2	4
8. M.F.Sc. (Fish Nutrition and Feed Tech.)	2	1	0	0	0	1	4
9. M.F.Sc. (Aquatic Animal Health Management)	4	1	0	0	0	3	8
10. M.F.Sc. (Fish Biotechnology)	2	0	1	0	0	1	4
11. M.F.Sc. (Fisheries Economics)	2	1	0	0	0	1	4
Total	36	10	5	(1⁺)	(1⁺)	18	69

+Seats for PH and UPS will be allotted horizontally against the category (Gen/SC/ST/OBC) to which they belong.

- NOTE:**
1. In addition, 5 seats each are earmarked for in-service candidates in M.F.Sc. (FRM) and IAC. The admission shall be granted at the Institute level.
 2. CIFE does not admit students with 3 years degree in Fisheries Science/Basic Sciences.
 3. The number of seats is tentative. Exact number of seats will be known at the time of counseling.

**SYLLABI FOR ICAR'S ALL INDIA ENTRANCE EXAMINATION FOR ADMISSION TO
MASTER DEGREE PROGRAMMES AND ICAR-JRF(PGS)**

Code 01: MAJOR SUBJECT GROUP "A" - PLANT BIOTECHNOLOGY

**(Subjects: A-1: Plant Biochemistry, A-2: Plant Biotechnology & Molecular Biology/Biotechnology,
A-3: Plant Physiology/Crop Physiology)**

- UNIT-I: Basic Sciences & General Agriculture:** Importance of agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato, and mango. Major soils of India; role of NPK and their deficiency symptoms. General structure and function of cell organelles; mitosis and meiosis; Mendelian genetics. Elementary knowledge of growth, development, photosynthesis, respiration and transpiration; Elements of economic botany. General structure and function of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Major pests and diseases of rice, wheat, cotton, chickpea, sugarcane and their management. Organic farming; biofertilizers; biopesticides. Recombinant DNA technology; transgenic crops. Important rural development programmes in India; organizational set up of agricultural research, education and extension in India. Elements of statistics.
- UNIT-II: Plant Biochemistry:** Importance of biochemistry in agriculture. Acid-base concept and buffers; pH. Classification, structure and metabolic functions of carbohydrates, lipids and proteins. Structure and function of nucleic acids. Enzymes: structure, nomenclature, mechanism of action; vitamins and minerals as coenzymes and cofactors. Metabolic pathways: glycolysis, TCA cycle, fatty acid oxidation, triglyceride biosynthesis. Electron transport chain; ATP formation. Photosynthesis: C-3, C-4 and CAM pathways. Nitrate assimilation; biological nitrogen fixation. Colorimetric and chromatographic techniques
- UNIT-III: Plant Biotechnology and Molecular Biology/Biotechnology:** Characteristics of prokaryotic and eukaryotic organisms; differences between fungi, bacteria, mycoplasmas and viruses. Physical and chemical basis of heredity; chromosome structure. DNA replication, transcription and translation; genetic code; operon concept. Genetic engineering; restriction enzymes; vectors; gene cloning; gene transfer. Plant cell and tissue culture; micro-propagation; somaclonal variation. Transformation; recombination; heterosis. General application of biotechnology. Molecular and immunological techniques. Concept of bioinformatics, genomics and proteomics
- UNIT-IV: Plant Physiology/ Crop Physiology:** Plant physiology– importance in agriculture. Seed germination, viability and vigour. Photosynthesis- significance of C-3, C-4 and CAM pathway; photorespiration and its implications. Translocation of assimilates; dry matter partitioning; Harvest index of crops. Growth and development; growth analysis; crop-water relationship. Plant nutrients and their functions. Phytohormones and their physiological role. Photo-periodism, vernalisation; pollination/ fertilization in flowering plants. Post-harvest physiology and its significance.

Code 02: MAJOR SUBJECT GROUP "B" - PLANT SCIENCES

**(Subjects: B-1: Plant Breeding & Genetics, B-2: Plant Pathology, B-3: Agricultural Microbiology,
B-4: Seed Science & Technology, B-5: Plant Genetic Resources)**

- UNIT-I:** Importance of Agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato, potato and mango. Major soils of India, role of NPK and their deficiency symptoms.
- UNIT-II:** Structure and function of cell organelles; mitosis and meiosis; Mendelian genetics; elementary knowledge of photosynthesis; respiration, and transpiration; structure and functions of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Major pests and diseases of rice, wheat, cotton, chickpea, sugarcane and their management.
- UNIT-III:** Characteristics of prokaryotic and eukaryotic organisms, differences between fungi, bacteria, mycoplasmas and viruses; physical and chemical basis of heredity; chromosome structure; genes/operon concept; protein biosynthesis; transformation, recombination, heterosis; Elements of economic botany; integrated diseases management; sterilisation, disinfection and pasteurization; Koch's postulates; aetiological agents of rusts,

smuts, powdery/downy mildews, wilts, yellows, mosaic, necrosis, enations, blights and witches-broom; pH, buffer, vitamins, role of plant hormones in seed germination and dormancy; pollination/fertilization in flowering plants; methods of seed testing; breeders, foundation and certified seeds; seed production in self and cross pollinated crops, nitrate assimilation; biological nitrogen fixation and other uses of microorganisms in agriculture.

UNIT-IV: Food and industry; composting and biogas production. Important rural development programmes in India; organizational set up of agricultural research, education and extension in India.

Code 03: MAJOR SUBJECT GROUP “C” - PHYSICAL SCIENCE

(**Subjects: C-1:** Agricultural Meteorology, **C-2:** Soil Science & Agricultural Chemistry/ Soil Conservation and Water Management/ SWC/ Irrigation and Water Management, **C-3:** Agricultural Physics, **C-4:** Agricultural Chemicals, **C-5:** Environmental Science.)

UNIT-I: Importance of Agriculture in national perspective; basic principles of crop production, diversification, diversification of Agriculture, principle of nutrient and water management, package of practices for rice, wheat sorghum, maize, chickpea, pigeon pea, potato, sugarcane, groundnut, major vegetable crops. Role of essential plant nutrients, their deficiency symptoms and management options. Structure and function of plant cells, cell division, Basic concept of plant physiology relating to crop production-Biochemical compounds viz, carbohydrates, proteins, enzymes, fats, liquid vitamins and their function, developmental programmes relating to rural upliftment and livelihood security; organisational set up of agricultural education research and extension and future strategies for upgradation.

UNIT-II: Volumetric and gravimetric analysis including complexometric methods, periodic classification of element, Basic principle of instrumental analysis including spectro-photometry (Absorption and emission spectrography), Atomic structure –elementary concept of radioactivity, element and compound common ion effect, solubility product—hydrolysis of salts, buffer solution indicates equivalent weights and standard solution.

Elementary concepts of organic compounds- nomenclature and classifications including hydrocarbons, alcohol, aldehydes, acids and esters, carbohydrates, fats and liquids, amino acids, nucleic acids. Pesticides, their classification and uses; biopesticides and botanical pesticides.

UNIT-III: Soil as a medium for plant growth, composition of earth’s crust, weathering of rocks and minerals, components of soil- their importance, soil profile, soil partials- physical mineralogical and chemical nature. Mechanical analysis, Stokes law, assumptions, limitations and applications. Soil, physical properties- density, porosity, texture, soil structure and their brief descriptions. Rheological properties in soils, calculations of porosity and bulk density. Soil air-Aeration, causes of poor aeration, factors affecting aeration, importance for plant growth. Soil temperature - sources and losses of soil heat. Factors affecting soil temperature, its importance in plant growth. Soil water- structure of water, soil-water-energy relationship, classifications, surface tension and movement in soil. Soil colloids- properties, structure of silicate clay minerals, sources of negative charges, properties, kaolinite, illite, montmorillonite and vermiculite clay minerals, milli-equivalent concept, cation exchange capacity, anion exchange capacity, buffering of soils. Problem soils- acid, saline, sodic and acid sulphate soils – their characteristics, formation, problems and management. Irrigation, water quality and its evaluation. Waterlogged soils- basic features, distinction with upland soils.

UNIT-IV: Essential plant nutrients- criteria of essentiality, functions for plant growth, mechanisms for movement and uptake of ions in soils and plants, Forms of nutrients in soils, deficiency symptoms on plants, luxury consumption, nutrient interactions and chelated micronutrients. Soil fertility, evaluation and management for plant growth, soil testing and fertilizer recommendations. Soil classifications- diagnostic surface and sub-surface horizons, soil survey- types, objectives, uses, land capability classifications. Remote sensing and its application in agriculture, SIS, GIS and GPS- basic features and uses in agriculture, Elementary concepts of radio isotopes and uses in agriculture. Soil micro-organisms, Classifications and their roles. Organic matter- decomposition, C:N ratios, mineralization and immobilization processes, humus, role of organic matter in soil quality. Soil erosion, types and control measures. Fertilizers and manures- classifications, NPK fertilizers, their reactions in soils, green manuring, recycling of organic wastes, composting. Soil and water pollution- sources, brief idea about different pollutants in soils and their managements.

Code 04: MAJOR SUBJECT GROUP “D” - ENTOMOLOGY AND NEMATOLOGY

(Subjects: D-1: Agricultural Entomology, D-2: Nematology, D-3: Apiculture, D-4: Sericulture, D-5: Plant Protection.)

- UNIT-I:** Importance of Agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato, cole crops, mango, grapes, banana, oilseeds other than groundnut, soybean and mustard. Major soils of India, role of NPK and their deficiency symptoms. Mendelian genetics; elementary knowledge of photosynthesis; respiration, and transpiration; Major cropping systems (rice-wheat cropping, crop rotations, mixed cropping); soil degradation-soil salinity and acidity and management; some aspects of post-harvest technology; varietal improvement; importance of heterosis in crop production; crop protection principles in field and storage. Major insect pests and diseases of agricultural crops like rice, cotton, pulses, oilseed crops like groundnut, soybean and mustard, vegetables like tomato, cole crops; fruit crops like mango and banana and their management principles. Transgenic crops. Important rural development programmes in India; organizational set up of agricultural research, education and extension in India; Elements of statistics.
- UNIT-II:** Classification of animal kingdom up to class; distinguishing characters up to orders in class Insecta; general organization of an insect external morphology with special reference to lepidopteran larvae, coleopteran adults; and honeybee; metamorphosis and moulting; different physiological systems; insect-plant relationship; insect pests of agricultural and horticultural crops, and their stored/processed products, insect vectors of plant diseases- identification, biology, nature of damage, and their management tactics; and pests of household, medical and veterinary importance and their control; useful and beneficial insects like honeybee, lac insect, silkworm and pollinators; Nematode taxonomy, biology of important plant parasitic nematodes and their control; entomopathogenic nematodes, basic principles of insect and nematode pest management-cultural, biological, insecticidal, quarantine, and regulatory aspects; insecticide classification and insecticide resistance management; and insect protective transgenic crops.

Code 05: MAJOR SUBJECT GROUP “E” - AGRONOMY

(Subjects: E-1: Agronomy/Farming Systems Management, E-2: Tea Husbandry)

- UNIT-I: General:** Importance of Agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, rapeseed and mustard, potato. Major soils of India, role of NPK and their deficiency symptoms. Structure and function of cell organelles; mitosis and meiosis; Mendelian genetics: elementary knowledge of photosynthesis; respiration, photorespiration and transpiration; structure and functions of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Major pests and diseases of rice, wheat, cotton, chickpea, sugarcane and their management. Important rural development programmes in India; organisational set up of agricultural research, education and extension in India; Elements of statistics.
- UNIT-II: Principles of Agronomy, Crop ecology and geography and Agricultural Meteorology:** Agronomy – meaning and scope, National & International agricultural research institutes in India, Agro climatic zones of India, Tillage, crop stand establishment and planting geometry and their effect on crop, Physiological limits of crop yield and variability in relation to ecological optima, organic farming, Precision farming, Integrated farming systems, Principles of field experimentation. Principles of crop ecology and crop adaptation, climate shift and its ecological implications, Agro-ecological regions in India, Geographical distribution of crop plants, Greenhouse effect, Climatic factors and their effect on plant processes and crop productivity, Role of GIS and GPS in agriculture. Weather & climate, Earth’s atmosphere, Solar radiation, Atmospheric temperature and global warming. Crops and atmospheric humidity, Weather forecasting.
- UNIT-III: Field crops:** Origin, distribution, economic importance, soil and climatic requirement, varieties, cultural practices and yield of cereals (rice, wheat, maize, sorghum, pearl millet, minor millets, barley), pulses (chickpea, lentil, peas, Pigeon pea, mungbean, urdbean), oilseeds (groundnut, sesame, soybean, rapeseed & mustard, sunflower, safflower, linseed), fibre crops (cotton, jute, sun hemp), sugar crops(sugarcane), fodder & forage crops (sorghum, maize, napier, berseem, Lucerne, oats), medicinal & aromatic plants (menthe, lemon grass and isabgol) and commercial crops(potato, tobacco).

UNIT-IV: Weed management: Principles of weed management, Classification, biology and ecology of weeds, crop weed competition and allelopathy, concepts and methods of weed control, Integrated weed management, Classification, formulations, selectivity and resistance of herbicides, Herbicide persistence in soil and plants, Application methods and equipments, Weed flora shifts in cropping systems, Special and problematic weeds and their management in cropped and non-cropped situations, Weed management in field crops.

UNIT-V: Water management: Principles of irrigation, Water resources and irrigation development in India, Water and irrigation requirements, Concepts and approaches of irrigation scheduling, Methods of irrigation, Measurement of irrigation water, application, distribution and use efficiencies, Conjunctive use of water, Irrigation water quality and its management, water management in major field, crops (rice, wheat, maize, groundnut, sugarcane) Agricultural drainage.

UNIT-VI: Soil fertility and fertilizer use: Essential plant nutrients and their deficiency symptoms, concept of essentiality of plant nutrients, Indicators of soil fertility and productivity, Fertilizer materials and their availability to plants, slow release fertilizers, Nitrification inhibitors, Principles and methods of fertilizer application, Integrated nutrient management, site specific nutrient management.

UNIT-VII: Dryland Agronomy: Characteristics of Dryland farming and delineation of Dryland tracts, constraints of Dryland farming in India, Types of drought and their management, contingency crop planning and mid-season corrections for aberrant weather and its recycling. Watershed management.

UNIT-VIII: Problem soils : Problem soils and their distribution in India, Characteristics and reclamation of these soils, Crop production techniques in problem soils.

UNIT-IX: Sustainable land use systems: Sustainable agriculture: parameters and indicators, Conservation agriculture, safe disposal of agri-industrial waste for crop production, Agro-forestry systems, shifting cultivation, Alternate land use systems, Wastelands and their remediation for crop production.

Code 06: MAJOR SUBJECT GROUP “F” - SOCIAL SCIENCES

(Subjects: F-1: Agricultural Economics, F-2: Agriculture Extension/ Communication Development)

UNIT-I: Importance of Agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato and mango. Major soils of India, role of NPK and their deficiency symptoms. Structure and function of cell organelles, mitosis and meiosis; Mendelian genetics; elementary knowledge of photosynthesis; respiration, and transpiration; structure and functions of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Major pests and diseases of rice, wheat, cotton, chickpea, sugarcane and their management. Important rural development programmes in India; organisational set up of agricultural research, education and extension in India; Elements of statistics. Measures of central tendency and dispersion, regression and correlation; concept of probability, sampling techniques and tests of significance.

UNIT-II: Theory of consumer behaviour, theory of demand, elasticity of demand, indifference curve analysis, theory of firm, cost curves, theory of supply, price determination, market classification, concept of macroeconomics, money and banking, national income. Agricultural marketing—role, practice, institutions, problems and reforms, role of capital and credit in agriculture, crop insurance, credit institutions, cooperatives, capital formation in agriculture, agrarian reforms, globalization, WTO & its impact on Indian agriculture.

UNIT-III: Basic principles of farm management, concept of farming system and economics of farming systems, agricultural production economics—scope and analysis, factor-product relationship, marginal cost and marginal revenue, farm planning and budgeting, Agricultural finance: nature and scope. Time value of money, Compounding and discounting. Agricultural credit: meaning, definition, need, classification. Credit analysis: 4R's, 5C's and 7 P's of credit, repayment plans. History of financing agriculture in India. Commercial banks, nationalization of commercial banks. Lead bank scheme, regional rural banks, scale of finance. Higher financing agencies, RBI, NABARD, AFC, Asian Development Bank, World Bank, role of capital and credit in agriculture; credit institutions, co-operatives and agrarian reforms in India.

UNIT-IV: Extension Education- concept, meaning, principles, philosophy, scope and importance; Extension programme planning and evaluation- steps and principles, models of organizing agricultural extension;

historical development of extension in USA, Japan and India. Rural development, meaning, importance and problems; Rural development programmes in India- Pre-independence era to recent ones; Extension teaching methods, definition and concept of sociology, differences between rural & urban communities, social stratification., social groups, social organization and social change. Rural leadership, educational psychology- learning and teaching, role of personality in agricultural extension Indian rural system- its characteristics; value system, cost and class; structure and customs; rural group organization and adult education.

UNIT-V: Communication, principles, concepts, process, elements and barriers in teaching methods. Different kinds of communication methods and media and AV aids/materials. Media mix, Campaign, Cyber extension- internet, cybercafé, Kisan Call Centers, teleconferencing, agriculture journalism, diffusion and adoption of innovations- adopter categories, capacity building of extension personnel and farmers-training to farmers, women and rural youth.

Code 07: MAJOR SUBJECT GROUP “G” - STATISTICAL SCIENCES

(**Subjects: G-1:** Agricultural Statistics, **G-2:** Statistics, **G-3:** Computer Application, **G-4:** Bioinformatics)

UNIT-I: Agriculture: Importance of Agriculture/Forestry/Livestock in national economy. Basic principles of crop production. Major diseases and pests of crops. Elementary principles of economics and agri-extension. Important rural development programmes in India. Organizational set up of Agricultural research, education and extension in India.

UNIT-II: Mathematics: Real and complex numbers; polynomial and roots; de Moivre’s theorem and its applications.

Elements of set theory- De Morgan’s laws; vector space, linear independence, orthogonality; matrices-addition and multiplication, rank of a matrix, determinants, inverse of a matrix, solution of a system of linear equations, characteristic roots and vectors; convergence of infinite sequences and infinite series-tests for convergence, absolute convergence; co-ordinate geometry in two dimensions - line, circle, parabola, ellipse and hyperbola;

Differential calculus: limits, differentiation of function of a single variable; Taylor’s and Maclaurin’s theorems, mean-value theorem; maxima and minima; indeterminate form; curvature, asymptotes, tracing of curves, function of two or more independent variables, partial differentiation, homogeneous functions and Euler’s theorem, composite functions, total derivatives, derivative of an implicit function, change of variables, Jacobians. Integral calculus: integration by simple methods, standard forms, simple definite integrals, double integrals, change of order of integration, Gamma and Beta functions, application of double integrals to find area. Ordinary differential equations: differential equations of first order, Exact and Bernoulli’s differential equations, equations reducible to exact form by integrating factors, equations of first order and higher degree, Clairaut’s equation, methods of finding complementary functions and particular integrals.

Calculus of finite differences, interpolation; numerical differentiation and integration, difference equations; solution of simple non-linear equations by numerical methods like Newton- Raphson method.

UNIT-III: Introduction: Statistics – definition, use and limitations; Frequency Distribution and Curves; Measures of Central Tendency: Arithmetic mean; Geometric mean, Harmonic mean, Median, Mode; Measures of Dispersion: Range, Mean deviation, Quartile deviation, Variance and Coefficient of Variation; Probability: Definition and concepts, law of addition and multiplication, conditional probability, Bayes’ theorem; Binomial, multinomial, Poisson and normal distribution; Introduction to Sampling: Random Sampling; Standard Error; Tests of Significance - Types of Errors, Null Hypothesis, Level of Significance, Testing of hypothesis; Large Sample Test- SND test for Means, Single Sample and Two Samples; Student’s t-test for Single Sample, Two Samples and Paired t test. F test; Chi-Square Test for goodness of fit and independence of attributes; Correlation and Regression and associated tests of significance. Experimental Designs: basic principles, Analysis of variance, Completely Randomized Design (CRD), Randomized Block Design (RBD).

UNIT-IV: Computers: input, output devices, memory, hardware, software; Classification, booting computer. Viruses, worms and antivirus. Operating System- some DOS commands, FORMAT, DIR, COPY, PATH, MD, CD and DELTREE. Types of files. WINDOWS: Desktop and its elements, WINDOWS Explorer, working with files and folders; setting time and date. Anatomy of WINDOWS. Applications – MSWORD: Word processing features- Creating, Editing, Formatting and Saving; MSEXCEL: Electronic spreadsheets, concept,

packages. Creating, editing and saving a spreadsheet. In-built statistical and other functions. Excel data analysis tools, Correlation and regression, t-test for two-samples and ANOVA with one-way classification. Creating graphs. MS Power Point and its features. MSACCESS: Concept of Database, creating database; Computer programming: Flow charts and Algorithms, Programming languages- BASIC, FORTRAN and C. Internet: World Wide Web (WWW), Concepts, web browsing and electronic mail. Bioinformatics - NCBI Genebank sequence database- primary and secondary database.

Code 08: MAJOR SUBJECT GROUP “H” - HORTICULTURE

(Subjects: H-1: Horticulture, **H-2:** Vegetable Crops/Olericulture, **H-3:** Pomology(Fruit and Orchard crops, Management of Plantation Crops, Fruit Breeding), **H-4:** Post-harvest Technology of Horticultural Crops, **H-5:** Floriculture & Landscaping, **H-6:** Spices and Plantation Crops)

UNIT-I: Importance of Agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato and mango. Major soils of India, role of NPK and their deficiency symptoms. Structure and function of cell organelles; mitosis and meiosis; Mendelian genetics; elementary knowledge of photosynthesis; respiration, and transpiration; structure and functions of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Major pests and diseases of rice, wheat, cotton, chickpea, sugarcane and their management. Important rural development programmes in India; organizational set up of agricultural research, education and extension in India; Elements of statistics.

UNIT-II: Layout and establishment of orchards; pruning and training; propagation, climatic requirement and cultivation of fruits like mango, banana, citrus, guava, grape, pineapple, papaya, apple, pear, peach and plum; cultivation of plantation crops like coconut and cashew nut and spices like black pepper, coriander, turmeric, important physiological disorders; major vegetable crops of tropical, subtropical and temperate regions 'like cole crops (cauliflower, cabbage and knol khol), cucurbits (pumpkin, bottlegourd, bittergourd, luffa, muskmelon and watermelon, cucumber), root crops (radish, tapioca sweet potato and potato), leafy vegetables (fenugreek and spinach); solanaceous crops (tomato, chillies and brinjal); techniques for raising the nursery; nutritive value of fruits and vegetables and their role in human nutrition; basic physiology of ripening in fruits and vegetables and their products; type of fruits and vegetable products and control of fungal and bacterial diseases; major floricultural crops grown in India for commercial purposes like rose, carnation, chrysanthemum, marigold, tuberose, gladiolus, orchids; establishment and maintenance of lawns, trees, shrubs, creepers, hedges and annuals; type of gardens, methods of crop improvement; male sterility and incompatibility; pure line and pedigree selection; backcross, mass selection; heterosis; plant nutrients, deficiency symptoms of nutrients, manures and fertilisers, systems of irrigation, management of important pests and diseases of fruits and vegetables.

Code 09: MAJOR SUBJECT GROUP “J” - FORESTRY/AGROFORESTRY & SILVICULTURE

(Subjects: J-1: Forest Products, **J-2:** Silviculture, **J-3:** Forestry including Tree Genetic Resource, **J-4:** Agroforestry)

UNIT-I: Importance of Agriculture/Forestry/Livestock in national economy. Basic principles of crop production. Important rural development programmes in India Elementary principles of economics and agri-extension. Organizational set up of Agricultural Research, education and extension in India. Major diseases and pests of crops. Elements of statistics.

UNIT-II: Forest- importance, types, classification, ecosystem, biotic and abiotic components, ecological succession and climax, nursery and planting technique, social forestry, farm forestry, urban forestry, community forestry, forest management, silvicultural practices, forest mensuration, natural regeneration, man-made plantations, shifting cultivation, taungya, dendrology, hardwoods, softwoods, pulpwoods, fuelwoods, multipurpose tree species, wasteland management. Agroforestry – importance and land use systems, forest soils, classification and conservation, watershed management, forest genetics and biotechnology and tree improvement, tree seed technology, rangelands, wildlife – importance, abuse, depletion, management, major and minor forest products including medicinal and aromatic plants, forest inventory, aerial photo interpretation and remote sensing, forest depletion and degradation – importance and impact on environment, global warming, role of forests and trees in climate mitigation, tree diseases, wood decay and discolouration, tree pests, integrated pest and disease management, biological and

chemical wood preservation, forest conservation, Indian forest policies, Indian forest act, forest engineering, forest economics, joint forest management and tribology.

Code 10: MAJOR SUBJECT GROUP “K” - AGRICULTURAL ENGINEERING AND TECHNOLOGY

(Subjects: K-1: Soil & Water Conservation Engg., **K-2:** Irrigation & Drainage Engg./Irrigation & Water Management Engineering, **K-3:** Agri. Process & Food Engg./Processing & Agri. Structures/Process Engg./P.H.T., **K-4:** Farm Implements & Machinery/ Farm Power and Machinery, **K-5:** Bio-energy including Renewable Energy Sources)

- UNIT-I :** Elementary Statistics and theory of probability, differential and integral calculus, linear algebra and Fourier series, differential equations, vector algebra & vector calculus, elementary numerical analysis.
- UNIT-II:** Electric motors: Types, performance, selection, installation and maintenance, measuring instruments, fundamentals of computers, power distribution.
- UNIT-III:** Thermodynamic principles; fluid mechanics, theory of machines
- UNIT-IV:** Soil mechanics, soil classification, compaction & shear strength of soils, engineering mechanics, strength of materials
- UNIT-V:-** Importance of farm equipment and role of mechanization in enhancing productivity & profitability of Indian agriculture; analysis of forces, design and production of farm machinery and power units; mechanics of tillage & traction operation, repair and maintenance of farm machines and equipment, farm engines; tractors and power tillers; tractor stability and operators comfort; field capacity and cost analysis; test codes and procedure; safety and ergonomic principles. Role of energy in economic development; solar, wind and bio-energy; biogas plants & gasifiers; biofuels from biomass; collection, characterization and storage of biomass, solar cookers & solar refrigerators.
- UNIT-VI:-** Biochemical and engineering properties of biological materials; quality control & safety of raw and finished products. Principles, practices and equipments for drying, milling, separation and storage of agricultural produce and by-products; material handling equipment and operations; farmstead planning; heating & cooling load calculation; seed processing practices and equipments; food preservation methods and products development; refrigeration and air conditioning; cold stores; waste management, cost analysis & food processing plants layout, feasibility reports
- UNIT-VII:** Surveying and leveling; hydrology, water resources in India; efficiency in water use; irrigation system and equipment; water conveyances and associated efficiency; soil-plant-water relationship; estimation of evaporation and water requirements of crop; water harvesting and use, farm ponds and reservoirs, command area development, land use capability classification, ground water development, wells and pumping equipment, soil erosion and its control, land shaping and grading equipment and practices, hydraulic structures, drainage of irrigated and humid areas; salt balance and reclamation of saline and alkaline soils.

Code 11: MAJOR SUBJECT GROUP “L” - WATER SCIENCE AND TECHNOLOGY

(Subject: L-1: Water Science and Technology)

- Unit-I:** Importance of Agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato and mango. Major soils of India, role of NPK and their deficiency symptoms. Structure and function of cell organelles; mitosis and meiosis; Mendelian genetics; elementary knowledge of photosynthesis; respiration, and transpiration; structure and functions of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Pests and diseases of major crops and their management, important rural development programmes in India; organizational set up of agricultural research, education and extension in India.
- Unit-II:** Water resources of India, surface and groundnut resources, rainfall, rainfall-runoff relations, measurement and estimation of runoff, irrigation development in India, command area development, watershed management principles, government schemes in watershed management program, water harvesting structures including farm ponds, water quality including physical, chemical and biological properties.

Unit-III: Physical properties of soils—texture, structure, density and consistency, infiltration, field capacity, permanent wilting point, available water hydraulic conductivity, soil water flow including Darcy’s law, mechanical analysis, chemical properties of pH, EC, atoms, molecules, colloids, clay mineral, major and trace elements, salinity and sodicity, cation exchange capacity, evaporation, evapotranspiration, water requirements of crop, plant growth process, soil and water conservation practices and tillage.

Unit-IV: Simultaneous and quadratic equations, differentiation and integration, differential equations, elements of statistics, frequency distribution, probability concepts, basic concepts of economics, energy, horse power, efficiency of machines, concepts of fluid flow, hydrostatic pressure, surface tension, irrigation water distribution and control, irrigation methods, irrigation efficiencies, irrigation scheduling, water lifting devices and pumps, construction of wells, drainage principles and applications, surface drainage, subsurface drainage, water pricing, water laws and irrigation acts.

Code 12: MAJOR SUBJECT GROUP “M” - HOME SCIENCE

(**Subjects: M-1:** Food & Nutrition, **M-2:** Human Development & Family Studies/Child Development, **M-3:** Home Management/Family Resource Management, **M-4:** Clothing & Textile, **M-5:** Home Science Extension Education)

UNIT-I: Importance of agriculture in national economy; basic principles of crop production; cultivation of rice, wheat, chickpea, pigeon-pea, sugarcane, groundnut, tomato, and mango. Major soils of India; role of NPK and their deficiency symptoms. General structure and function of cell organelles; mitosis and meiosis; Mendelian genetics. Elementary knowledge of growth, development, photosynthesis, respiration and transpiration; Elements of economic botany. General structure and function of carbohydrates, proteins, nucleic acids, enzymes and vitamins. Major pests and diseases of rice, wheat, cotton, chickpea, sugarcane and their management. Organic farming; biofertilizers; biopesticides. Recombinant DNA technology; transgenic crops. Natural Resources: forest, water, mineral, food, energy and land resources. Ecosystems. Biodiversity & its conservation. Environmental pollution. Environmental ethics. Important rural development programmes in India; organizational set up of agricultural research, education and extension in India. Elements of Statistics.

UNIT-II: Food & Nutrition. Elements of Human Nutrition i.e. Food groups and the nutrients contributed by each group to the diet, composition and nutritive value of foods; food processing and preservation, meal planning i.e. principles menu planning for normal individuals for different age groups and at different stages of life, diet therapy, institutional food management, community nutrition and health, food related laws, policy and programmes in India. Organic and genetically modified foods.

UNIT-III: Human Development & Family Studies/Child Development. Introduction to child/human development -meaning, concept, principles, prenatal development (conception to child birth), care of new born, pre-natal and post natal care of mother, development of child in early and late childhood, early childhood education, adolescence, development and relationship with peers & family, marriage and family dynamics, meaning, definition of family life cycle, family welfare programmes in India, community education, child studies methods, participation in pre-school/crèche.

UNIT-IV: Home Management/ Family Resource Management: Concept and principles of management, management process, work, work environment, work simplification, fundamentals of housing, principles of design & home furnishing-selection, care and maintenance of accessories, equipments, furniture, paintings, family finance/economics and consumer education. Functional interiors for special needs.

UNIT-V: Clothing & Textiles: Introduction to clothing construction- sewing machine its parts and use, preparation of fabric for lay out textile fibre-classification, processing/manufacturing method, clothing need of family members, household textile and consumers, weaving and hosiery, traditional textiles and embroideries of India, care of clothing and textile finishes, dyeing & printing. Organic dyes.

UNIT-VI: Home Science Extension Education. Introduction to Home Science Education communication and extension methods, programme planning & evaluation, entrepreneurial education, projected and non-projected aids (audio-visual aids) rural development programmes in India. Empowerment of women.

Code 13: MAJOR SUBJECT GROUP “N” - ANIMAL BIOTECHNOLOGY

(Subjects: N-1: Animal Biotechnology, N-2: Vety/Animal Biochemistry)

- UNIT-I:** Structure of prokaryotic and eukaryotic cells, cell wall, membranes, cell organelles, organization and functions, chromosome structure and functions, cell growth division and differentiation. Sub unit structure of macromolecules and supermolecular systems. Self assembly of sub units, viruses, bacteriophage, ribosomes and membrane systems.
- UNIT-II:** Scope and importance of biochemistry in animal sciences, cell structure and functions. Chemistry and biological significance of carbohydrates, lipids, proteins, nucleic acids, vitamins and hormones. Enzymes—chemistry, kinetics and mechanism of action and regulation. Metabolic inhibitors with special reference to antibiotics and insecticides. Biological oxidation, energy metabolism of carbohydrates, lipids, amino acids and nucleic acids. Colorimetry, spectrophotometry, chromatography and electrophoresis methods.
- UNIT-III:** Chemistry of antigens and antibodies and molecular basis of immune reaction, radio-immune assay and other assays. Chemistry of respiration and gas transport, water and electrolyte metabolism. Deficiency diseases, metabolic disorders and clinical biochemistry. Endocrine glands, biosynthesis of hormones and their mechanism of action.
- UNIT-IV:** History of molecular biology, biosynthesis of proteins and nucleic acids, genome organization, regulation of gene expression, polymerase chain reaction, basic principles of biotechnology applicable to veterinary science gene sequence, immunodiagnostics, animal cell culture, *in vitro* fertilization. Sub-unit vaccines: Principles of fermentation technology. Basic principles of stem cell and animal cloning.

Code 14: MAJOR SUBJECT GROUP “O” - VETERINARY SCIENCE

(Subjects: O1:VeterinaryAnatomy, O2:VeterinaryObstetrics & Gynaecology, O3:Medicine (Clinical and Preventive), O-4: Veterinary Parasitology, O-5: Veterinary Pharmacology and Toxicology, O-6: Veterinary Pathology including Wild Life, O-7: Epidemiology/ Wild Life, O-8: Vety. Virology, O-9: Vety. Immunology, O-10: Veterinary Microbiology/ Bacteriology, O-11: Veterinary Surgery, O-12: Veterinary Public Health)

- UNIT I: Anatomy and Physiology.** Structure of cells, cell organelles, chromosome structure and functions, cell growth, division and differentiation and functions. Structure and function of basic tissues-epithelium, connective tissue, muscle and nervous tissue. Gross Morphology, Histology and physiology of mammalian organs and systems, major sense organs and receptors, circulatory system. Digestion in simple stomached animals, birds and fermentative digestion in ruminants, Kidney and its functions-respiratory system-animal behaviour-growth-influence of environment on animal production-biotechnology in animal production and reproduction-electrophysiology of different types of muscle fibres. Exocrine and endocrine glands, hormones and their functions, blood composition and function. Homeostasis, osmoregulation and blood clotting. Gametogenesis and development of urogenital organs. Boundaries of body cavities. Pleural and peritoneal reflections.
- UNIT-II: Veterinary Microbiology (Bacteriology, Virology, Immunology), Veterinary Pathology, Parasitology.** Classification and growth characteristics of bacteria, important bacterial diseases of livestock and poultry, general characters, classification of important fungi. Nature of viruses, morphology and characteristics, viral immunity, important viral diseases of livestock and poultry. Viral vaccines. Antigen and antibody, antibody formation, immunity, allergy, anaphylaxis, hypersensitivity, immunoglobulins, complement system. Etiology of diseases and concept, extrinsic and intrinsic factors, inflammation, degeneration, necrosis, calcification, gangrene, death, atrophy, hypertrophy, benign and malignant tumours in domestic animals. General classification, morphology, life cycle of important parasites, important parasitic diseases (Helminths, Protozoa and Arthropods) of veterinary importance with respect to epidemiology, symptoms, pathogenesis, diagnosis, immunity and control.
- UNIT-III: Veterinary Medicine, Epidemiology veterinary surgery and Veterinary Obstetrics and Gynaecology including reproduction.** Clinical examination and diagnosis, Etiology, epidemiology, symptoms, diagnosis, prognosis, treatment and control of diseases affecting different body systems of various species of domestic animals, epidemiology— aims, objectives, ecological concepts and applications. General surgical principles and management of surgical cases. Types, administration and effects of anaesthesia. Principles and use

of radiological techniques in the diagnosis of animal diseases. Estrus and estrus cycle in domestic animals, Synchronization of estrus, fertilization, pregnancy diagnosis, parturition, management of postpartum complications dystokias and its management, fertility, infertility and its management, artificial insemination.

UNIT-IV: Veterinary Public Health, Veterinary Pharmacology & Toxicology. Zoonotic diseases through milk and meat, Zoo animal health. Source and nature of drugs, pharmacokinetics, Chemotherapy-sulpha drugs, antibiotics, mechanism and problem of drug resistance. Drug allergy, important poisonous plants, toxicity of important agro-chemicals and their detoxification, drugs action on different body systems.

Code 15: MAJOR SUBJECT GROUP “P” - ANIMAL SCIENCES

(**Subjects: P-1:** Animal Husbandry/Animal Sci./Dairy Sci, **P-2:** Animal Genetics & Breeding, **P-3:** Animal Nutrition/Feed/Fodder Tech., **P-4:** Vety/Animal Physiology, **P-5:** Livestock Production & Management, **P-6:** Livestock Product Technology & Meat Science, **P-7:** Poultry Science, **P-8:** Animal Husbandry/ Veterinary Extension Education /Dairy Extension Education, **P-9:** Livestock/Animal Husbandry/ Veterinary Economics/Dairy Economics and **P-10:** Bio-Statistics).

UNIT-I: Animal Genetics and Breeding- Principles of animal genetics, cell structure and multiplication. Mendel's laws, principles of population genetics, concept of heredity, heterosis and mutation, principles of evolution, principles of molecular genetics, genetic code, quantitative and qualitative traits. Selection of breeding methods in livestock and poultry. Population statistics of livestock.

UNIT-II: Animal Nutrition, Feed Technology, Animal Physiology. General nutrition, proximate principles, carbohydrates, proteins and fats their digestion and metabolism in ruminants and non-ruminants. Energy partition- measures of protein quality. Water, minerals, vitamins and additives, feeds and fodders and their classification. Common anti-nutritional factors and unconventional feeds. Hay and silage making. Grinding, chaffing, pelleting, roasting, feed block. Feed formulation principles. Digestion- control motility and secretion of alimentary tract. Mechanism, natural and chemical control of respiration, gaseous exchange and transport, high altitude living, physiology of work and exercise. Cardiac cycle, natural control of cardiovascular system. Smooth and skeletal muscle contraction. Blood coagulation. Physiology of immune system. Male and female reproduction including artificial insemination, in-vitro fertilization, cryo-preservation. Excretory system.

UNIT III: Animal Husbandry, Dairy Science, Livestock Production and Management, Animal Product Technology & Meat Science and Poultry Science. General concepts of livestock production and management, status of dairy and poultry industry, impact of livestock farming in Indian agriculture. Livestock housing, production and reproduction management, lactation management, breeding programmes for livestock and poultry. Composition, quality control and preservation of livestock products, methods of processing and storage livestock products. International Trade/WTO/IPR issues related to livestock products.

UNIT IV: Veterinary Extension. Concept of sociology, differences between rural, tribal and urban communities, social change, factors of change. Principles and steps of extension education, community development- aims, objectives, organizational set up and concept evolution of extension in India, extension teaching methods. Role of livestock in economy. Identifying social taboos, social differences, obstacles in the way of organizing developmental programmes. Concept of marketing, principles of co-operative societies, animal husbandry development planning and programme, key village scheme, ICDD, Gosadan, Goshala, Role of Gram Panchayat in livestock development. Basics of statistics, data analysis and computational techniques.

Code 16: MAJOR SUBJECT GROUP “Q” - FISHERIES SCIENCE

(**Subjects: Q1:** Fisheries Sciences/Fish Hydrology/Fish Environment/Fish IT/FL, **Q-2:** Fisheries Resource Management/Fish Processing Management, **Q-3:** Inland Aquaculture/Mariculture/Freshwater Aquaculture.

Q-4: Fish Processing Technology, **Q-5:** Aquatic/Fish Biology, **Q-6:** Fish Microbiology/Fish Pathology,

Q-7: Fisheries Extension, **Q-8:** Aquatic Env. Management, **Q-9:** Post-Harvest Technology (Fisheries),

Q-10: Fish Genetics & Biotechnology, **Q-11:** Fish Nutrition & Biochemistry, **Q 12:** Fish Business Management)

UNIT-1: Fishery resources and management. Classification and taxonomical characteristics of cultivable fisheries, crustaceans and molluscs. Fresh water, brackish water and marine fishery resources of India,

marine fisheries of the world. Estuarine, lacustrine, brackish water and pond ecosystem. Population dynamics, fish stock, abundance methods and analysis. Conservation and management of fishery resources. Fisheries legislations and law of the Seas. Impact of over exploitation and climate change on fisheries resources.

UNIT-2: Fish aquaculture. Reproduction and breeding behaviour in fishes and shellfishes, brood stock improvement, maturity and fecundity studies. Induced spawning methods and seed production, natural fish seed collection and rearing methods. Types of eggs and development of larval stages of fin fishes and shellfishes. Preparation and management of fresh water and brackish water fishponds. Cultivable species identification, introduction of exotic fishes in India. Culture methods: Pen and cage culture practices, crap and shrimp hatchery management, basic aspects of biotechnology in relation to fisheries.

UNIT-3: Ecology of water bodies. Important limnological, oceanographical and biological parameters in relation to fisheries of lotic and lentic waters, biological productivity and its impact on fisheries. Environmental impact assessment on fisheries in lentic and lotic waters. Biological parameters including energy flow, community ecology and aquatic association, biodiversity and its conservation, aquatic pollution and its management

UNIT-4: Harvest and post harvest technology. Common crafts and gears used for fish capture. Boat building material and demerits of wood, steel, aluminum, Ferro cement and FRP. Different types of fibres and netting materials and their characteristics, preservation of netting, parts of a trammel net, purse-scene, gill net and tuna long line. Food chemistry, fundamentals of microbiology. General methods of fish preservation and fishery by products. Canning and packaging techniques, processing and product development techniques.

UNIT-5: Fisheries economics, extension & statistics. Introduction to fishery economics and concepts of cooperative, marketing and banking management. Supply v/s demand economics of hatchery management and fish culture operations. Profit maximization. Problems in estimating costs and returns in fisheries. WTO agreements in Fisheries sector, intellectual property rights (IPR) and international fish trade; Fisheries extension methods. Training and education needs in fisheries. Communication concepts, Modern tools of fishery extension education, participatory rural appraisal (PRA), Rapid rural appraisal (RRA), role of women in fisheries; Basics of statistics in fisheries and computer science.

Code 17: MAJOR SUBJECT GROUP "R" - DAIRY SCIENCE

(Subjects: R-1: Dairy Microbiology, R-2: Dairy Chemistry)

Unit-I: Chemical composition of various food of plant and animal origin, structure and functions of food constituents, additives, preservatives, flavours and antioxidants, composition and physico-chemical and nutritional properties of milk and colostrum, chemistry of milk, constituents, nutrients and milk products. Test for the quality of milk, butter, ghee, milk powder etc., adulterants, neutralizers and preservatives, their detection, heat stability of milk.

Unit II: Introduction to dairy microbiology – Milk production hygiene and critical risk factors affecting microbiological quality on-farm; Microorganisms associated with milk and their classification based on growth temperature – psychrotrophs, mesophiles, thermodurics and thermophiles; Microbial metabolites and their role in spoilages - souring, curdling, gassiness, ropiness, proteolysis, lipolysis, abnormal flavour and colour; Antimicrobial systems in raw milk; Microbiological grading of raw milk; Microflora of mastitic milk and its importance in dairy industry; Food poisoning, food infections, toxi-infections and other milk borne diseases and their control.

Unit-III: Composition and chemistry of cream, butter, ghee, ice-cream, cheese, condensed and dried milks, infant food, spoilage of ghee and use of antioxidants, chemistry of milk fermentation, chemistry of rennin coagulation of milk and changes occurring during ripening of cheese, physico-chemical changes in the manufacture and storage of milk powder, lactose, crystallization and its significance, physicochemical changes during the manufacture of indigenous milk products, quality standards of dairy products.

Unit IV: Bacteriological aspects of milk processing - Thermization, pasteurization, boiling, sterilization, UHT, bactofugation, and membrane filtration; Microbiological quality of cream, butter, ice-cream, concentrated dairy products, dried milks, infants milk foods, indigenous dairy products; Factors affecting the

microbiological quality of these products during production, processing, handling, storage and distribution; Enumeration, isolation and identification of conventional and emerging dairy pathogens, detection of microbial toxins, drug residues in milk and their public health importance; Microbial defects associated with dairy products and their control; Microbiology of dairy starters; Classification, genetic aspects and carbohydrate metabolism of Lactic Acid Bacteria (LAB); Preservation, propagation and quality control of dairy starters and their inhibition by antibiotic residues, detergents, sanitizers, bacteriophages etc.; Microbiology of fermented milks, cheeses and application of probiotic concept in dahi, yoghurt, Kefir, Kumiss, Bulgarian milk, cultured buttermilk, leben, yakult, cheddar and processed cheese; Dairy plant hygiene and sanitation - Microbiology of air, water, equipments, packaging materials, personnel, disposal of dairy waste; Microbiological standards for milk and milk products - PFA, BIS, Codex/ ISO standards (ISO 9001: 2001/ISO 22000:2005).

Code 18: MAJOR SUBJECT GROUP "S" - DAIRY TECHNOLOGY

(Subjects: S-1: Dairy Technology, S-2: Dairy Engineering)

- UNIT-I:** Principles and processes of food preservation, non-conventional sources, processing of fluid milk, Computerization and Automatic Process Controls in Milk Processing. HACCP Concepts in Fluid Milk Processing. Advances in Centrifugal Separation and Bactofugation. Manufacture of various types of dairy products and changes occurring during manufacture and storage and their defects. Sensory evaluation and judging of milk and milk products, types of packaging materials and their properties, packing forms and operations, problems in food packaging, recent advances in packaging dairy and food products. Intelligent Food Packaging. Nutritional Labeling of Food Products. Application of Membrane Processing in Milk Processing.
- UNIT-II:** Materials and sanitary features of the dairy equipments. Homogenizer- Theory of Homogenization. Triplex pump, Lubrication of the Homogenizer, care and Management of homogenizer, Homogenizer Accessories and Standards for Homogenizer. Pasteurizer- Pasteurizer construction & Principle Materials used in Construction of Pasteurizers. High temperature short time Pasteurizer, care of Pasteurizer, Reaction Kinetics, Sterilizer, Mixing & agitation equipments, principles of evaporation, drying. Atmosphere concentration, Vacuum Pan, Fluidization. Care of Vacuum Pan, Atmospheric Drum Dryer. Spray Dryer principles of dairy plant layout and design, Functional Design, space requirement of Milk Plant, problem through computers, centralized dispersal of data processing, d-BASE-III, Lotus 1-2-3 to graphics, Fortran.
- UNIT-III:** Fluid mechanics- properties of fluids, Bernoulli's equation and its applications, hydraulic systems Types of Pumps, Sanitary pumps, Standards for Centrifugal and Positive Rotatory Type of pumps, Selection of Pumps. Care and Upkeep of Pumps dimensional analysis, refrigeration and air-conditioning. Artificial Refrigeration, Compression Refrigeration System, Refrigeration Accessories. Calculation of size of Refrigeration Machine Requirements. Heat-transfer and thermodynamics; mechanical separations, Rittinger's and Kick's laws, Engineering of mechanics, theory of machine, strength of materials, Hook's law, materials of fabrications, machine tools, Electrical Engg., Electromagnetic induction, Magnetic-Hysteresis loop (BH Curve), AC fundamentals.

Code 19: GROUP "T" - FOOD SCIENCE TECHNOLOGY

(Subject: T-1: Food Science & Technology)

- UNIT-I:** General chemistry of food constituents, physical properties of foods, properties of colloidal systems, gels and emulsions. Minerals in foods, physicochemical changes in foods during processing and storage, functions of food nutrients, dietary allowances and nutritional requirements. Metabolism of carbohydrates, lipids and protein. Biological value and PER. Food additives, contaminants and anti-nutritional factors. Food flavors and puff-flavors. National and international food standards, modern analytical techniques in food analysis.
- UNIT-II:** Engineering properties of food materials, System analysis, mass and energy balance, Principles operations and equipment for food materials flow handling, cleaning, dehusking, sorting and grading; peeling, size reduction, mixing and forming, bakery foods manufacture, extrusion, separation, filtration and membrane processes, expression, baking roasting, frying, extraction and leaching, crystallization, distillation, blanching, pasteurization, sterilisation, evaporation, drying, freezing, packing, heat exchanging, dairy

specific operations. Process equipment design, heat and mass transfer, equipment for steam generation, compressed air, refrigeration and air conditioning, water and waste water treatment, biochemical engineering and thermo bacteriology. Automation, on-line data acquisition and process control. Food plant layout and design. Energy audit.

UNIT–III: Preparation and manufacturing technology of cereals and bakery products, beef, pork, poultry, fish & sea foods and egg, sausages and table ready meats, dairy products, fresh fruits, fresh vegetables, processed fruits, processed vegetables, Post Harvest Handling and storage of Fruits and Vegetables. Sugars, sweets, fats and oils, fermented foods, alcoholic and non-alcoholic beverages, indigenous foods, fast, readymade and fashion foods. Dehydration and concentration methods, irradiation, microwave and solar processing of foods, food by-products & downstream processing, flavoring and pigment technology. Judging of food products, food plant management and legal aspects, food plant safety, risk and hazards. Effluent treatment and environment pollution, waste solids upgrading and treatment, food storage, functions of packaging, packaging operations, types of containers, FFS, hermetics closures, canning packaging materials and package testing, transportation and marketing food products.

UNIT –IV: Role of intrinsic and extrinsic properties of food in relation to microbial growth. Microbiology of fruits, fruit products, vegetables, soft drinks, bakery products, milk and milk products, milk, fish, egg and marine produces. Spoilage of foods, food pathogens and their toxins in relation to human health. Food preservation by sugar, salt, chemicals, heat, cold, irradiation, dehydration and packaging. Microbiology of fermented foods and beverages and factors affecting their quality. Methods for microbiological examination of foods, food hygiene and safety regulations. Water quality and waste disposal in food industry.

CODE 20: GROUP “U” – AGRI-BUSINESS MANAGEMENT

(**Subjects: U-1:** Agri-Business Management, **U-2:** Agricultural Marketing & Cooperation)

UNIT-1: Social, political and economic structure in rural India. Importance of agriculture/forestry/ horticulture/ livestock in national economy. Cultivation of major cereal crops, legume crops, vegetable crops, fruits and their importance in human diet. Major soils of India, essential plant nutrients, their role, deficiency symptoms and sources. Pests and diseases of major crops, vegetables, fruits and their management. Forestry production, pests and diseases management of major trees grown in India. Watershed management. Organizational set up of agricultural research, education and extension in India. Elements of statistics.

UNIT-2: Farm equipments and Farm Machinery in India, sources of energy and power on farms. Irrigation and drainage systems. Basics of post-harvest technology, Basics of energy in agriculture.

UNIT-3: Basics of veterinary, gynaecology, veterinary microbiology, veterinary pathology and Parasitology, veterinary surgery, veterinary public health, veterinary pharmacology and toxicology.

UNIT-4: Basics of human food and nutrition, human/child development, home and family resource management, clothing and textile.

UNIT-5: Quantitative ability: Test the ability of candidates to make mathematical calculations under stress conditions. All these calculations will be based on analytical skills of the candidates with understanding of mathematics at Intermediate level.

UNIT-6: Communicative ability: Test English comprehension wherein the knowledge of language skills are tested as to how effectively the candidate communicates his thoughts and ideas.

UNIT-7: Data Interpretation: Calculations requiring skills of interpretation of facts and figures. The questions can be posed as graphs, tables and charts.

UNIT-8: Logical reasoning: Evaluating logical thinking capacity by providing various options.

UNIT-9: Agricultural Marketing and Cooperation: Fundamentals of managerial economics, market structure conduct and performance, agricultural marketing concepts- functions and institutions, trade in agriculture sector; principles of corporation; cooperatives in India; agribusiness institutions in India; entrepreneurship development.

Besides above, any other topic of scientific, social and educational importance can also be included. Around 20–25% questions shall be related to agriculture and agriculture related science subjects including recent developments.

SUBJECT-WISE AND UNIVERSITY-WISE TENTATIVE NUMBER OF SEATS

A. PLANT BIOTECHNOLOGY

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)		
	Plant Bio-Chemistry (A-1)	Plant Biotech. and Molecular Biology (A-2)	Plant/Crop Physiology (A-3)
AAU, ANAND	2(1,0,1,0)/(0,0)	1(1,0,0,0)/(0,0)	3(2,1,0,0)/(0,0)
AAU, JORHAT	2(2,0,0,0)/(0,1)	2(1,1,0,0)/(0,0)	2(1,0,1,0)/(0,0)
ANGRAU, HYDERABAD	-	2(2,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)
BCKVV, MOHANPUR	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)
BHU, VARANASI	-	-	3(2,1,0,0)/(0,0)
CAU, IMPHAL	-	2(1,0,0,1)/(0,0)	-
CCSHAU, HISAR	1(1,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
CSAUA&T, KANPUR	2(1,1,0,0)/(0,0)	3(2,1,0,0)/(0,0)	3(2,0,1,0)/(1,0)
Dr BSKKV, DAPOLI	-	-	1(1,0,0,0)/(0,0)
Dr PDKV, AKOLA	-	3(2,1,0,0)/(0,0)	3(2,1,0,0)/(0,1)
Dr YSPUH&F, SOLAN	-	1(1,0,0,0)/(0,0)	-
GBPUA&T, PANTNAGAR	2(2,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)
IARI, NEW DELHI	3(2,0,0,1)/(0,0)	5(3,1,0,1)/(1,0)	4(2,1,0,1)/(0,0)
IGKVV, RAIPUR	-	2(1,0,1,0)/(0,0)	1(1,0,0,0)/(0,0)
JAU, JUNAGADH	1(1,0,0,0)/(0,0)	7(5,1,1,0)/(1,0)	2(2,0,0,0)/(0,0)
JNKVV, JABALPUR	-	2(2,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)
KAU, THRISSUR	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
MAU, PARBHANI	-	2(1,0,1,0)/(0,0)	2(2,0,0,0)/(0,0)
MPKV, RAHURI	2(2,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)
MPUA&T, UDAIPUR	-	1(1,0,0,0)/(0,0)	-
NAU, NAVSARI	-	2(1,1,0,0)/(0,0)	2(2,0,0,0)/(0,0)
NDUA&T, FAIZABAD	2(1,1,0,0)/(0,0)	4(2,1,1,0)/(0,0)	3(3,0,0,0)/(1,0)
OUA&T, BHUBANESWAR	-	-	2(1,1,0,0)/(0,0)
PAU, LUDHIANA	3(2,1,0,0)/(0,0)	-	-
RAU, PUSA	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)*
SHIATS, ALLAHABAD	15(11,2,2,0)/(1,0)	15(12,2,1,0)/(0,1)	5(3,1,1,0)/(0,0)
SKDAU, S.K. NAGAR	-	1(1,0,0,0)/(0,0)	-
SKRAU, BIKANER	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
SVBPUA&T, MEERUT	-	1(1,0,0,0)/(0,0)	-
TNAU, COIMBATORE	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
UAS, BENGALURU	2(1,1,0,0)/(0,0)	2(1,1,0,0)/(0,0)	2(2,0,0,0)/(0,0)
UAS, DHARWAD	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	2(1,0,1,0)/(0,0)
UBKVV, COOCHBEHAR	1(1,0,0,0)/(0,0)	-	-
TOTAL	41(31,6,3,1)/(1,1)	64(47,10,5,2)/(2,1)	52(39,8,4,1)/(2,1)

*3 years degree programme for General Stream students.

B. PLANT SCIENCES

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)				
	Plant Breeding and Genetics	Plant Pathology	Agricultural Microbiology	Seed Science and Technology	Plant Genetics Resources
	(B-1)	(B-2)	(B-3)	(B-4)	(B-5)
AAU, ANAND	4(2,1,1,0)/(0,0)	4(3,1,0,0)/(1,0)	1(1,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-
AAU, JORHAT	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	-	-
AMU, ALIGARH	-	1+(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	-	-
ANGRAU, HYDERABAD	8(6,1,1,0)/(1,1)	3(2,0,1,0)/(0,0)	1(1,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-
BAU, RANCHI	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	-	-
BCKVV, MOHANPUR	3*(2,0,1,0)/(0,0)	4(3,1,0,0)/(1,0)	-	1(1,0,0,0)/(0,0)	-
BHU, VARANASI	3(1,0,1,1)/(0,0)	3(1,1,0,1)/(0,0)	-	-	-
CAU, IMPHAL	3(1,1,0,1)/(0,0)	3(1,1,0,1)/(0,0)	-	-	-
CCS HAU, HISAR	4(3,1,0,0)/(0,0)	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
CSAUA&T, KANPUR	4(3,1,0,0)/(0,0)	3(2,0,1,0)/(0,0)	2(1,1,0,0)/(0,0)	2(2,0,0,0)/(1,0)	-
CSK HPKV, PALAMPUR	3(2,0,1,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
Dr BSK KKV, DAPOLI	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	-	-
Dr PDKV, AKOLA	5(3,1,1,0)/(0,0)	8(6,1,1,0)/(0,1)	-	1(1,0,0,0)/(0,0)	-
Dr YSPUH&F, SOLAN	-	2(2,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-
GBPUA&T, PANTNAGAR	5(3,1,1,0)/(0,0)	3(2,0,1,0)/(0,0)	2(2,0,0,0)/(0,0)	-	-
IARI, NEW DELHI	5(3,1,0,1)/(1,0)	4(2,0,1,1)/(0,0)	4(3,0,0,1)/(0,0)	4(3,0,0,1)/(0,0)	3(1,1,0,1)/(0,0)
IGKV, RAIPUR	3(2,1,0,0)/(0,0)	2(1,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-
JAU, JUNAGADH	4(3,1,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	-
JNKVV, JABALPUR	3(2,1,0,0)/(0,0)	3(2,1,0,0)/(0,0)	-	-	-
KAU, THRISSUR	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	-	-
MAU, PARBHANI	5(4,1,0,0)/(0,0)	6(4,1,1,0)/(1,0)	-	-	-
MPKV, RAHURI	8(6,1,1,0)/(1,0)	6(4,1,1,0)/(0,1)	4(2,1,1,0)/(0,0)	2(1,1,0,0)/(0,0)	-
MPUA&T, UDAIPUR	4(3,1,0,0)/(0,0)	-	-	-	-
NDUA&T, FAIZABAD	4(3,1,0,0)/(0,0)	3(3,0,0,0)/(0,0)	-	-	-
NAU, NAVSARI	7(5,1,1,0)/(0,1)	3(2,1,0,0)/(0,0)	-	-	-
OUA&T, BHUBANESWAR	3(3,0,0,0)/(0,0)	3(2,1,0,0)/(0,0)	-	2(1,0,1,0)/(0,0)	-
PAU, LUDHIANA	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	4(2,1,1,0)/(0,1)	-	-
RAU, PUSA	3(2,1,0,0)/(0,0)	-	-	-	-
RVSKVV, GWALIOR	3(2,1,0,0)/(0,0)	3(2,1,0,0)/(0,0)	-	-	-
SASARD, NAGALAND UNIV, MEDZIPHEMA	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
SHIATS, ALLAHABAD	10(7,2,1,0)/(1,1)	5(3,1,1,0)/(0,0)	-	10(7,2,1,0)/(0,1)	-
SKDAU, S.K. NAGAR	4(3,1,0,0)/(0,0)	3(2,1,0,0)/(0,0)	-	-	-
SKRAU, BIKANER	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	-	-
SKUAS&T, JAMMU	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
SKUAST(K), SRINAGAR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
SVBPUAT, MEERUT	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
TNAU, COIMBATORE	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
UAS, BENGALURU	3(3,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	2(2,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	-
UAS, DHARWAD	3(3,0,0,0)/(0,0)	3(2,1,0,0)/(0,0)	3(2,1,0,0)/(1,0)	3(2,1,0,0)/(0,0)	-
UAS, RAICHUR	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	2(1,0,1,0)/(0,0)	2(1,0,1,0)/(0,0)	-
UBKVV, COOCHBEHAR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
TOTAL	135(101,21,10,3)/(4,3)	106(79,16,8,3)/(3,2)	33(24,5,3,1)/(1,1)	36(27,5,3,1)/(1,1)	3(1,1,0,1)/(0,0)

**Horticultural crops

+ Plant Pathology & Nematology

C. PHYSICAL SCIENCE

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)				
	Agricultural Meteorology Agrometeorology	Soil Sci. & Agri. Chem. etc. Soil Cons & Water Mgmt & SWC	Agricultural Physics	Agricultural Chemicals	Environmental Sciences
	(C-1)	(C-2)	(C-3)	(C-4)	(C-5)
AAU, ANAND	4(2,1,1,0)/(1,0)	4(2,1,1,0)/(0,0)	-	-	-
AAU, JORHAT	-	2(1,1,0,0)/(0,0)	-	-	-
ANGRAU, HYDERABAD	-	4x (3,1,0,0)/(0,0)	-	-	1(1,0,0,0)/(0,0)
BAU, RANCHI	-	2(2,0,0,0)/(0,0)	-	-	-
BCKVV, MOHANPUR	1(1,0,0,0)/(0,0)	(5+3*)(6,1,1,0)/(1,0)	-	1(1,0,0,0)/(0,0)	-
BHU, VARANASI	-	3(2,1,0,0)/(0,0)	-	-	-
CAU, IMPHAL	-	3(2,0,0,1)/(0,1)	-	-	-
CCS HAU, HISAR	1(1,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	-	-
CSAUA&T, KANPUR	-	6(4,1,1,0)/(0,0)	-	-	-
CSKHPKV, PALAMPUR	-	3(2,0,1,0)/(0,0)	-	-	-
Dr BSKKV, DAPOLI	-	2(2,0,0,0)/(0,0)	-	-	-
Dr PDKV, AKOLA	-	10(7,2,1,0)/(1,0)+	-	2(1,1,0,0)/(0,0)	-
Dr YSPUH&F, SOLAN	-	1(1,0,0,0)/(0,0)	-	-	1(1,0,0,0)/(0,0)
GBPUA&T, PANTNAGAR	1(1,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)
IGKV, RAIPUR	2(1,1,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	-	-
IARI, NEW DELHI	-	4(2,1,0,1)/(0,0)	3(2,0,1,0)/(0,0)	6(3,1,1,1)/(0,1)	5(3,1,0,1)/(0,0)
JAU, JUNAGADH	-	2(2,0,0,0)/(0,0)	-	-	-
JNKVV, JABALPUR	-	3(2,1,0,0)/(0,0)	-	-	-
KAU, THRISSUR	1(1,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	-	-
MAU, PARBHANI	3(2,1,0,0)/(0,0)	6(4,1,1,0)/(0,0)	-	-	-
MPKV, RAHURI	1(1,0,0,0)/(0,0)	8(6,1,1,0)/(1,1)	-	-	-
MPUA&T, UDAIPUR	-	1(1,0,0,0)/(0,0)	-	-	-
NDUA&T, FAIZABAD	2(1,0,1,0)/(0,0)	3(2,1,0,0)/(0,0)	-	-	-
NAU, NAVSARI	-	3(2,0,1,0)/(0,0)	-	-	-
OUA&T, BHUBANESWAR	-	3(2,1,0,0)/(0,0)	-	-	-
PAU, LUDHIANA	1(1,0,0,0)/(0,0)	3(2,1,0,0)/(0,0)	-	-	-
PSB, VB, SRINIKETAN	-	2(1,0,0,1)/(0,0)	-	-	-
RAU, PUSA	-	3(2,1,0,0)/(0,0)	-	-	-
RVSKVV, GWALIOR	-	2(2,0,0,0)/(0,0)	-	-	-
SASARD, NAGALAND UNIV	-	(1+1*)(1,0,1,0)/(0,0)	-	-	-
MEDZIPHEMA	-	-	-	-	-
SHIATS, ALLAHABAD	-	5(3,1,1,0)/(0,0)	-	-	5(3,1,1,0)/(0,1)
SKDAU, S.K. NAGAR	-	2(2,0,0,0)/(0,0)	-	-	-
SKRAU, BIKANER	-	2(2,0,0,0)/(0,0)	-	-	-
SKUAS&T, JAMMU	-	1(1,0,0,0)/(0,0)	-	-	-
SKUAS&T(K), SRINAGAR	-	1(1,0,0,0)/(0,0)	-	-	1(1,0,0,0)/(0,0)
SVBPUAT, MEERUT	-	1(1,0,0,0)/(0,0)	-	-	-
TNAU, COIMBATORE	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	-	2(1,0,1,0)/(1,0)
UAS, BENGALURU	-	4(3,1,0,0)/(1,0)	-	-	1(1,0,0,0)/(0,0)
UAS, DHARWAD	-	3(2,1,0,0)/(0,0)	-	-	-
UAS, RAICHUR	-	2(2,0,0,0)/(0,0)	-	-	-
UBKV, COOCHBEHAR	-	1(1,0,0,0)/(0,0)	-	-	-
TOTAL	19(14,3,2,0)/(1,0)	125(93,19,10,3)/(4,2)	3(2,0,1,0)/(0,0)	10(6,2,1,1)/(0,1)	18(12,3,2,1)/(1,1)

*Soil & Water Conservation; +2 Seats each in Land Resource Management, Soil Science and Agricultural Chemicals

+Soil & Water Management

++2 seats of Irrigation Water Management

D. ENTOMOLOGY/ NEMATOLOGY

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)				
	Agricultural Entomology	Nematology	Apiculture	Sericulture	Plant Protection
	(D-1)	(D-2)	(D-3)	(D-4)	(D-5)
AAU, ANAND	3(2,1,0,0)/(0,0)	3(2,1,0,0)/(0,1)	-	-	-
AAU, JORHAT	2(2,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	-
AMU, ALIGARH	1(1,0,0,0)/(0,0)	-	-	-	-
ANGRAU, HYDERABAD	5(3,1,1,0)/(0,1)	-	-	-	-
BAU, RANCHI	1(1,0,0,0)/(0,0)	-	-	-	-
BCKVV, MOHANPUR	5(3,1,1,0)/(1,0)	-	-	-	-
BHU, VARANASI	3(2,0,0,1)/(0,0)	-	-	-	-
CAU, IMPHAL	3(1,1,0,1)/(0,0)	-	-	-	-
CCSHAU, HISAR	3(2,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
CSAUA&T, KANPUR	2(2,0,0,0)/(0,0)	-	-	-	-
CSK HPKVV, PALAMPUR	2(2,0,0,0)/(0,0)	-	-	-	-
Dr BSKKV, DAPOLI	2(1,0,1,0)/(0,0)	-	-	-	-
Dr PDKV, AKOLA	8(6,1,1,0)/(1,0)	-	-	-	-
Dr YSPUH&F, SOLAN	1(1,0,0,0)/(0,0)	-	-	-	-
GBPUA&T, PANTNAGAR	4(3,1,0,0)/(0,0)	-	-	-	-
IGKVV, RAIPUR	2(2,0,0,0)/(0,0)	-	-	-	-
IARI, NEW DELHI	4(3,1,0,0)/(0,0)	4(2,0,1,1)/(0,0)	-	-	-
JAU, JUNAGADH	2(2,0,0,0)/(0,0)	-	-	-	-
JNKVV, JABALPUR	3(2,0,1,0)/(0,0)	-	-	-	-
KAU, THRISSUR	2(2,0,0,0)/(0,0)	-	-	-	-
MAU, PARBHANI	6(4,1,1,0)/(0,0)	-	-	-	-
MPKV, RAHURI	8(6,1,0,0)/(1,0)	-	-	-	-
MPUA&T, UDAIPUR	2(2,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
NDUA&T, FAIZABAD	2(2,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
NAU, NAVSARI	3(2,1,0,0)/(0,0)	-	-	-	-
OUA&T, BHUBANESWAR	3(2,1,0,0)/(0,0)	2(2,0,0,0)/(1,0)	-	-	-
PAU, LUDHIANA	2(2,0,0,0)/(0,0)	-	-	-	-
PSB, VB, SRINIKETAN	-	-	-	-	2(2,0,0,0)/(0,0)
RAU, PUSA	3(2,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
RVSKVV, GWALIOR	3(2,1,0,0)/(0,0)	-	-	-	-
SASARD, NAGALAND UNIV.	1(1,0,0,0)/(0,0)	-	-	-	-
MEDIZIPHEMA					
SHIATS, ALLAHABAD	5(3,1,1,0)/(0,0)	-	-	-	5(3,1,1,0)/(0,0)
SKRAU, BIKANER	2(2,0,0,0)/(0,0)	-	-	-	-
SKDAU, S.K. NAGAR	4(3,1,0,0)/(1,0)	-	-	-	-
SKUAS&T, JAMMU	1(1,0,0,0)/(0,0)	-	-	1(1,0,0,0)/(0,0)	-
SKUAS&T(K), SRINAGAR	2(2,0,0,0)/(0,0)	-	-	1(1,0,0,0)/(0,0)	-
SVBPUAT, MEERUT	1(1,0,0,0)/(0,0)	-	-	-	-
TNAU, COIMBATORE	2(2,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	-
UAS, BENGALURU	4(2,1,1,0)/(0,1)	-	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	-
UAS, DHARWAD	3(2,1,0,0)/(0,0)	-	-	-	-
UAS, RAICHUR	2(2,0,0,0)/(0,0)	-	-	-	-
UBKVV, COOCHBEHAR	1(1,0,0,0)/(0,0)	-	-	-	-
TOTAL	118(89,18,9,2)/(4,2)	16(12,2,1,1)/(1,1)	1(1,0,0,0)/(0,0)	6(5,1,0,0)/(0,0)	7(5,1,1,0)/(0,0)

E. AGRONOMY

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)	
	Agronomy/Farming Systems Mgt*/ Forage Production**	Tea Husbandry
	(E-1)	(E-2)
AAU, ANAND	4(3,1,0,0)/(0,0)+	-
AAU, JORHAT	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)
ANGRAU, HYDERABAD	8(6,1,1,0)/(1,0)	-
BAU, RANCHI	2(2,0,0,0)/(0,0)	-
BCKVV, MOHANPUR	6(4,1,1,0)/(1,0)	-
BHU, VARANASI	3(1,1,0,1)/(0,0)	-
CAU, IMPHAL	3(2,0,0,1)/(0,0)	-
CCSHAU, HISAR	4(3,1,0,0)/(0,0)	-
CSAUA&T, KANPUR	5(3,1,1,0)/(0,0)	-
CSK HPKV, PALAMPUR	1(1,0,0,0)/(0,0)	-
Dr BSKKV, DAPOLI	1(1,0,0,0)/(0,0)	-
Dr PDKV, AKOLA	9(7,1,1,0)/(1,0)	-
GBPUA&T, PANTNAGAR	5(3,1,1,0)/(0,1)	-
IGKV, RAIPUR	3(3,0,0,0)/(0,0)	-
IARI, NEW DELHI	4(3,1,0,0)/(0,0)	-
JAU, JUNAGADH	5(3,1,1,0)/(1,0)	-
JNKVV, JABALPUR	4(3,1,0,0)/(0,0)	-
KAU, THRISSUR	2(2,0,0,0)/(0,0)	-
MAU, PARBHANI	6(4,1,1,0)/(0,0)	-
MPKV, RAHURI	6(4,1,1,0)/(0,1)	-
MPUA&T, UDAIPUR	3(3,0,0,0)/(0,0)	-
NDRI, KARNAL	5(3,1,0,1)/(0,0)**	-
NDUA&T, FAIZABAD	4(3,1,0,0)/(0,0)	-
NAU, NAVSARI	5(4,1,0,0)/(0,0)	-
OUA&T, BHUBANESWAR	3(3,0,0,0)/(0,0)	-
PAU, LUDHIANA	3(2,1,0,0)/(0,0)	-
PSB, VB, SRINIKETAN	4(2,1,0,1)/(0,0)	-
RAU, PUSA	5(3,1,1,0)/(0,0)	-
RVSKVV, GWALIOR	4(3,1,0,0)/(0,0)	-
SASARD, NAGALAND UNIV., MEDZIPHEMA	1(1,0,0,0)/(0,0)	-
SHIATS, ALLAHABAD	5(3,1,1,0)/(0,0)	-
SKDAU, S.K. NAGAR	3(3,0,0,0)/(0,0)	-
SKRAU, BIKANER	2(2,0,0,0)/(0,0)	-
SKUAS&T, JAMMU	1(1,0,0,0)/(0,0)	-
SKUAS&T(K), SRINAGAR	2(2,0,0,0)/(0,0)	-
SVBPUA&T, MEERUT	1(1,0,0,0)/(0,0)	-
TNAU, COIMBATORE	2(2,0,0,0)/(0,0)*	-
UAS, BENGALURU	3(2,1,0,0)/(0,1)	-
UAS, DHARWAD	3(2,0,1,0)/(0,0)	-
UAS, RAICHUR	2(2,0,0,0)/(0,0)	-
UBKV, COOCHBEHAR	1(1,0,0,0)/(0,0)	-
TOTAL	145(108,22,11,4)/(4,3)	2(2,0,0,0)/(0,0)

+ Water Management (2 seat)

** For B. Sc. (Ag)/ B.Sc. Ag. (Hons)/ B.Sc. (Ag. & AH.)

F. SOCIAL SCIENCE

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)		
	Agricultural Economics	Agri. Ext. Edu./ Communication. Dev.	Sociology
	(F-1)	(F-2)	(F-3)
AAU, ANAND	1(1,0,0,0)/(0,0)	3(2,0,1,0)/(0,0)	
AAU, JORHAT	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	
ANGRAU, HYDERABAD	3(2,1,0,0)/(0,0)	3(2,1,0,0)/(0,0)	
BAU, RANCHI	1(1,0,0,0)/(0,0)	-	
BCKVV, MOHANPUR	3(2,1,0,0)/(0,0)	5(3,1,1,0)/(1,0)	
BHU, VARANASI	3(2,0,0,1)/(0,0)	3(1,1,0,1)/(0,0)	
CAU, IMPHAL	3(1,0,1,1)/(0,0)	3(1,1,0,1)/(0,0)	
CCSHAU, HISAR	2(2,0,0,0)/(0,0)	-	
CSAUA&T, KANPUR	3(2,1,0,0)/(0,0)	3(2,0,1,0)/(1,0)	
CSK HPKV, PALAMPUR	3(2,1,0,0)/(0,0)	-	
Dr BSKKV, DAPOLI	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	
Dr PDKV, AKOLA	10(8,1,1,0)/(1,0)	10(7,2,1,0)/(0,1)	
Dr YSPUH&F, SOLAN	3(2,1,0,0)/(0,0)	-	
GBPUA&T, PANTNAGAR	4(2,1,1,0)/(1,0)	2(2,0,0,0)/(0,0)	
IGKV, RAIPUR	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	
IARI, NEW DELHI	4(2,1,0,1)/(0,0)	6(3,1,1,1)/(0,0)	
JAU, JUNAGADH	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	
JNKVV, JABALPUR	4(2,1,1,0)/(1,0)	4(2,1,1,0)/(0,0)	
KAU, THRISSUR	1(1,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	
MAU, PARBHANI	6(4,1,1,0)/(0,1)	6(4,1,1,0)/(0,0)	
MPKV, RAHURI	5(4,1,0,0)/(0,0)	7(6,1,0,0)/(1,0)	
MPUA&T, UDAIPUR	1(1,0,0,0)/(0,0)	-	
NAU, NAVSARI	-	1(1,0,0,0)/(0,0)	
NDUA&T, FAIZABAD	2(2,0,0,0)/(0,0)+	3(2,0,1,0)/(0,0)	
OUA&T, BHUBANESWAR	3(2,0,1,0)/(0,0)	3(2,1,0,0)/(0,0)	
PAU, LUDHIANA	4(2,1,1,0)/(0,1)	2(2,0,0,0)/(0,0)	(1,0,0,0)/(0,0)
PSB, VB, SRINIKETAN	-	3(2,1,0,0)/(0,0)	
RAU, PUSA	3(2,1,0,0)/(0,0)	-	
RVSKVV, GWALIOR	3 (2,1,0,0)/(0,0)	3 (2,1,0,0)/(0,0)	
SASARD NAGALAND UNIV. MEDZIPHEMA	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	
SHIATS,ALLAHABAD	5(3,1,1,0)/(0,0)	5(3,1,1,0)/(0,0)	
SKDAU, S.K. NAGAR	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	
SKRAU, BIKANER	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	
SKUAS&T, JAMMU	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	
SKUAS&T(K), SRINAGAR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	
SVBPUAT, MEERUT	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	
TNAU, COIMBATORE	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	
UAS, BENGALURU	2(2,0,0,0)/(0,0)	3(3,0,0,0)/(0,1)	
UAS, DHARWAD	3(2,1,0,0)/(0,0)	2(2,0,0,0)/(0,0)	
UBKV, COOCHBEHAR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	
UAS, RAICHUR	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	
TOTAL	104(77,16,8,3)/(3,2)	101(75,15,8,3)/(3,2)	1(1,0,0,0)/(0,0)

× Agri Econ. & Business management
+ B.Sc. (Home Sc.) 4 year is also eligible
* Horizontal reservation be given

G. STATISTICAL SCIENCES

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)			
	Agricultural Statistics	Statistics	Computer Application	Bioinformatics
	(G-1)	(G-2)	(G-3)	(G-4)
AAU, ANAND	3(2,1,0,0)/(1,0)	-	-	-
AAU, JORHAT	2(1,1,0,0)/(0,0)	-	-	-
ANGRAU, HYDERABAD	-	1(1,0,0,0)/(0,0)	-	-
BCKVV, MOHANPUR	1(1,0,0,0)/(0,0)	-	-	-
CCSHAU, HISAR	-	1(1,0,0,0)/(0,0)	-	2(2,0,0,0)/(0,0)*
Dr YSPUH&F, SOLAN	-	1(1,0,0,0)/(0,0)	-	-
GBPUA&T, PANTNAGAR	1(1,0,0,0)/(0,0)	-	-	-
IGKVV, RAIPUR	1(1,0,0,0)/(0,0)	-	-	-
IARI, NEW DELHI	8(5,1,1,1)/(0,1)	-	7(4,1,1,1)/(1,0)	6(3,1,1,1)/(0,0)
JAU, JUNAGADH	2(1,1,0,0)/(0,0)	-	-	-
JNKVV, JABALPUR	2(1,0,1,0)/(0,0)	-	-	-
KAU, THRISSUR	1(1,0,0,0)/(0,0)	-	-	-
NDUA&T, FAIZABAD	3(2,0,1,0)/(0,0)	-	-	-
OUA&T, BHUBANESWAR	1(1,0,0,0)/(0,0)	-	-	-
RAU, PUSA	1(1,0,0,0)/(0,0)	-	-	-
SKDAU, S.K. NAGAR	1(1,0,0,0)/(0,0)	-	-	-
SKUAS&T(K), SRINAGAR	1(1,0,0,0)/(0,0)	-	-	-
UAS, BENGALURU	3(2,1,0,0)/(0,0)	-	-	-
UAS, DHARWAD	1(1,0,0,0)/(0,0)	-	-	-
UBKVV, COOCHBEHAR	1(1,0,0,0)/(0,0)	-	-	-
TOTAL	33(24,5,3,1)/(1,1)	3(3,0,0,0)/(0,0)	7(4,1,1,1)/(1,0)	8(5,1,1,1)/(0,0)

*For B.Sc. in any discipline of Science/B.Sc Ag

H. HORTICULTURE

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)					
	Horticulture	Veg. Crops/ Olericulture	Pomology *Fruit & Orch. Management of Plantation Crop, Fruit Breeding	Post-harvest Technology of Horticultural Crops/PHM	Floriculture and Land scaping	Spices and Plantation Crops Medicinal & Aromatic Plants ^X
	(H-1)	(H-2)	(H-3)	(H-4)	(H-5)	(H-6)
AAU, ANAND	1(1,0,0,0)/(0,0)	-	-	-	-	-
AAU, JORHAT	2(2,0,0,0)/(0,0)	-	-	-	-	-
APHU, V.R. GUDEM	-	3(2,,1,0)/(0,0) ⁺	4(2,1,1,0)/(0,0) ⁺	-	1(1,0,0,0)/(0,0) ⁺	1(1,0,0,0)/(0,0) ⁺
BAU, BHAGALPUR	5(3,1,1,0)/(0,0)	-	-	-	-	-
BAU, RANCHI	2(2,0,0,0)/(0,0)	-	-	-	-	-
BCKVV, MOHANPUR	-	2(2,0,0,0)/(0,0) ⁺	2(1,1,0,0)/(0,0) ⁺	2(2,0,0,0)/(0,0) ⁺	2(2,0,0,0)/(0,0) ⁺	2(1,0,1,0)/(0,0) ⁺
BHU, VARANASI	3(2,0,0,1)/(0,0)	-	-	-	-	-
CAU, IMPHAL	2(1,0,0,1)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
CCSHAU, HISAR	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	-	-	-
CSAUA&T, KANPUR	3(2,1,0,0)/(0,0)	3(2,1,0,0)/(0,0)	-	-	-	-
CSK HPKVV, PALAMPUR	-	2(2,0,0,0)/(0,0)	-	-	-	-
Dr BSKKV, DAPOLI	-	-	2(2,0,0,0)/(0,0)	-	-	-
Dr PDKV, AKOLA	-	4(2,1,1,0)/(1,0)	4(3,1,0,0)/(1,0)	-	3(2,1,0,0)/(1,0)	-
Dr YSPUH&F, SOLAN	-	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
GBPUA&T, PANTNAGAR	4(3,1,0,0)/(0,1) ^{xx}	3(2,1,0,0)/(0,0)	-	-	1(1,0,0,0)/(0,0)	-
IGKVV, RAIPUR	2(2,0,0,0)/(0,0)	-	-	-	-	-
IARI, NEW DELHI	-	2(2,0,0,0)/(0,0)	2(1,0,0,1)/(0,0)	2(1,1,0,0)/(0,0)	2(1,1,0,0)/(0,0)	-
JAU, JUNAGADH	-	-	-	-	3(2,1,0,0)/(0,0)	-
JNKVV, JABALPUR	-	2(1,1,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	-	-
KAU, THRISSUR	5(3,1,1,0)/(1,0)	-	-	-	-	-
MAU, PARBHANI	-	3(2,1,0,0)/(0,1)	3(2,0,1,0)/(0,0)	2(1,1,0,0)/(1,0)	-	-
MPKV, RAHURI	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-
MPUA&T, UDAIPUR	3(2,1,0,0)/(0,0)	-	-	-	-	-
NDUA&T, FAIZABAD	4(2,1,1,0)/(0,0)	4(2,1,1,0)/(1,0)	-	-	-	-
NAU, NAVSARI	-	-	3(2,1,0,0)/(0,1)	-	2(2,0,0,0)	1(1,0,0,0)/(0,0)
OUA&T, BHUBANESWAR	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
PAU, LUDHIANA	-	2(2,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	-
PSB, VB, SRINIKETAN	2(1,0,0,1)/(0,0)	-	-	-	-	-
RAU, PUSA	5(3,1,1,0)/(1,0)	-	-	-	-	-
RVSKVV, GWALIOR	2 (1,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1 (1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
SASARD, NAGALAND	-	2(2,0,0,0)/(0,0)	-	-	-	-
UNIV. , MEDZIPHEMA						
SKRAU, BIKANER	2(2,0,0,0)/(0,0)	-	-	-	-	-
SHIATS, ALLAHABAD	-	5(3,1,1,0)/(0,0)	-	5(3,1,1,0)/(0,1)	5 (3,1,1,0)/(0,0)	-
SKDAU, S.K. NAGAR	2(2,0,0,0)/(0,0)	-	-	-	-	-
SKUAS&T, JAMMU	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-
SKUAS&T(K), SRINAGAR	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
SVBPUA&T, MEERUT	1(1,0,0,0)/(0,0)	-	-	-	-	-
TNAU, COIMBATORE	-	-	1(1,0,0,0)/(0,0)	-	-	1(1,0,0,0)/(0,0)
UHS, BAGALKOT	-	3(2,1,0,0)/(0,0) ⁺	3(2,0,1,0)/(0,0) ⁺	2(1,0,1,0)/(0,0) ⁺	3(2,0,1,0)/(0,1) ⁺	3(2,1,0,0)/(0,0) ⁺
TOTAL	52(37,8,4,3)/(2,1)	49(37,8,4,0)/(2,1)	36(27,5,3,1)/(1,1)	19(14,3,2,0)/(1,1)	27(21,4,2,0)/(1,1)	9(7,1,1,0)/(0,0)

*Fruit production & PHT;

xx 2 medicinal crops & 2 Horticultural crops

+ For B.Sc. Horticulture only

x For B.Sc. Ag only

J. FORESTRY/AGROFORESTRY/SILVICULTURE

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)			
	Forest Products	Silviculture	Forestry and Tree Genetic Resources	Agroforestry
	(J-1)	(J-2)	(J-3)	(J-4)
Dr BSKKV, DAPOLI	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(1,0)	-
Dr. PDKV, AKOLA	1(1,0,0,0)/(0,0)	1(0,0,1,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
Dr YSPUH&F, SOLAN	2(1,1,0,0)/(0,0)	2(1,1,0,0)/(0,0)	1(0,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)
GBPUA&T, PANTNAGAR	-	-	-	2(2,0,0,0)/(0,0)
IGKV, RAIPUR	-	-	-	2(1,0,1,0)/(0,0)
JNKVV, JABALPUR	-	1(1,0,0,0)/(0,0)+	-	1(1,0,0,0)/(0,0)
KAU, THRISSUR	-	1(1,0,0,0)/(0,0)	1(0,0,1,0)/(0,0)	-
NAU, NAVSARI	-	-	-	2(1,1,0,0)/(0,0)
PAU, LUDHIANA	-	-	1(1,0,0,0)/(0,0)	-
SHIATS, ALLAHABAD	-	-	-	5(4,1,0,0)/(0,1)
SKUAS&T, JAMMU	-	-	1(1,0,0,0)/(0,0)	-
SKUAS&T(K), SRINAGAR	-	-	1(1,0,0,0)/(0,0)	-
TNAU, COIMBATORE	-	-	1(1,0,0,0)/(0,0)	-
UAS, BENGALURU	-	-	2(2,0,0,0)/(0,0)	-
UAS, DHARWAD	1(1,0,0,0)/(0,0)	-	1(0,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)
TOTAL	4(3,1,0,0)/(0,0)	6(4,1,1,0)/(0,0)	11(8,2,1,0)/(1,0)	15(12,2,1,0)/(0,1)

+ Plantation Technology

K. AGRICULTURE ENGINEERING & TECHNOLOGY

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)				
	Soil & Water Conservation Engineering	Irrigation & Drainage Engineering	Post-harvest Engg./Agri./Proc./ Food Engg.	Farm Implements & Mech./FPM	Bio-energy Inc. Renw. Energy Mgt.
	(K-1)	(K-2)	(K-3)	(K-4)	(K-5)
AAU, ANAND	-	-	1(1,0,0,0)/(0,0)	-	-
AMU, ALIGARH	-	-	2(1,1,0,0)/(0,0)	-	-
ANGRAU, HYDERABAD	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
CCSHAU, HISAR	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
Dr PDKV, AKOLA	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
GBPUA&T, PANTNAGAR	3(2,1,0,0)/(0,0)	3(2,1,0,0)/(0,0)	3+2* (3,1,1,0)/(0,0)	3(2,0,1,0)/(1,0)	-
IARI, NEW DELHI	3(2,0,0,1)/(0,0)	-	4(3,0,0,1)/(0,0)	3(2,1,0,0)/(0,0)	-
IGKV, RAIPUR	2(1,1,0,0)/(0,0)	-	-	2(2,0,0,0)/(0,0)	-
JAU, JUNAGADH	2(1,1,0,0)/(0,0)	-	2(1,0,1,0)/(0,0)	2(2,0,0,0)/(0,0)	-
JNKVV, JABALPUR	2(1,1,0,0)/(0,0)	-	2(1,1,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-
KAU, THRISSUR	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
MAU, PARBHANI	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
MPKV, RAHURI	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
MPUA&T, UDAIPUR	2(2,0,0,0)/(1,0)	2(1,0,1,0)/(0,0)	2(2,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	2(1,1,0,0)/(0,0)
OUA&T, BHUBANESWAR	2(1,0,1,0)/(0,0)	-	2(1,1,0,0)/(0,0)	2(1,1,0,0)/(0,1)	-
PAU, LUDHIANA	2(2,0,0,0)/(0,1)	-	2(2,0,0,0)/(1,0)	2(2,0,0,0)/(0,0)	-
RAU, PUSA	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	-	-
SHIATS, ALLAHABAD	5(3,1,1,0)/(0,0)	5(4,1,0,0)/(0,0)	5(3,1,1,0)/(0,1)	5(3,1,1,0)/(0,0)	5(3,1,1,0)/(0,0)
SVBPUAT, MEERUT	-	-	1(1,0,0,0)/(0,0)	-	-
TNAU, COIMBATORE	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)+	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
UAS, BENGALURU	-	-	2(2,0,0,0)/(0,0)	-	-
UAS, RAICHUR	2(1,0,1,0)/(0,0)	-	2(1,1,0,0)/(0,0)	2(1,0,1,0)/(0,0)	-
TOTAL	33(24,5,3,1)/(1,1)	13(10,2,1,0)/(0,0)	40(30,6,3,1)/(1,1)	32(24,5,3,0)/(1,1)	9(6,2,1,0)/(0,0)

*Food Biotech. Engg.

+M. Tech. (Food & Agril. Process Engg.)

L. WATER SCIENCE & TECHNOLOGY

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)
	Water Science and Tech.
IARI, NEW DELHI	4(2,0,1,1)/(0,0)
TOTAL	4(2,0,1,1)/(0,0)

M. HOME SCIENCE

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)				
	Food and Nutrition	Human Dev./ Family Studies/ Child Dev.	Family Resource Mgmt./Home Management	Clothing and Textiles	Home Science Extn/Education/ Sociology
	(M-1)	(M-2)	(M-3)	(M-4)	(M-5)
AAU, JORHAT	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(0,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
ANGRAU, HYDERABAD	2(2,0,0,0)/(0,0)+	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)++	1(1,0,0,0)/(0,0)	1(0,0,1,0)/(0,0)
CCSHAU, HISAR	2(1,1,0,0)/(0,0)	2(1,1,0,0)/(1,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(0,1,0,0)/(0,0)
CSAUA&T, KANPUR	2(1,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)
CSK HPKV, PALAMPUR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-
GBPUA&T, PANTNAGAR	2(2,0,0,0)/(1,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,1)	-
KAU, THRISSUR	2(1,0,1,0)/(0,0)	-	-	-	-
MAU, PARBHANI	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-
MPUA&T, UDAIPUR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
NDUA&T, FAIZABAD	-	1(1,0,0,0)/(0,0)	-	-	-
OUAT, BHUBANESHWAR	-	-	-	2(2,0,0,0)/(0,0)	-
PAU, LUDHIANA	2(2,0,0,0)/(0,1)	1(0,1,0,0)/(0,0)	2(1,1,0,0)/(1,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
RAU, PUSA	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	-	-
SHIATS, ALLAHABAD	10(7,2,1,0)/(0,0)	5(3,1,1,0)/(0,1)	5(3,1,1,0)/(0,0)	5(3,1,1,0)/(0,0)	-
SKDAU, S.K. NAGAR	2(1,1,0,0)/(0,0)	-	-	-	1(1,0,0,0)/(0,0)
SKRAU, BIKANER	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	1(1,0,0,0)/(0,0)
TNAU, COIMBATORE	1(1,0,0,0)/(0,0)	-	-	-	-
UAS, BENGALURU	2(1,0,1,0)/(0,0)*	-	-	-	-
UAS, DHARWAD	2(2,0,0,0)/(0,0)	1(0,0,1,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
TOTAL	35(27,5,3,0)/(1,1)	18(13,3,2,0)/(1,1)	17(13,3,1,0)/(1,0)	17(13,3,1,0)/(0,1)	9(7,1,1,0)/(0,0)

+Nutrition & Dietetics;

++Interior design;

N. ANIMAL BIO-TECHNOLOGY

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)	
	Animal Bio-technology	Veterinary/Animal Bio-chemistry
	(N-1)	(N-2)
AAU, ANAND	2(2,0,0,0)/(0,1)*	2(1,0,1,0)/(1,0)
AAU, JORHAT	-	1(1,0,0,0)/(0,0)
CCSHAU, HISAR	-	1(1,0,0,0)/(0,0)
GADV & ASU, LUDHIANA	2(1,0,1,0)/(0,0)	3(2,1,0,0)/(0,0)
GBPUA&T, PANTNAGAR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
IGKV, RAIPUR	-	1(1,0,0,0)/(0,0)
IVRI, IZATNAGAR	8(4,1,1,2)/(0,0)	7(4,1,0,2)/(0,1)
MAS&FU, NAGPUR	-	3(1,1,1,0)/(0,0)
NDRI, KARNAL	11(6,2,0,3)/(1,0)	10(4,2,1,3)/(0,0)
OUA&T, BHUBANESHWAR	-	1(1,0,0,0)/(0,0)
RUVAS, BIKANER	1(0,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)
SKRAU, BIKANER	-	1(1,0,0,0)/(0,0)
SKUAS&T, JAMMU	-	1(1,0,0,0)/(0,0)
SVV UNIV., TIRUPATI	-	1(1,0,0,0)/(0,0)
TNV&ASU, CHENNAI	1(1,0,0,0)/(0,0)	-
UPPDDUPCVVVEGAS, MATHURA	-	1(1,0,0,0)/(0,0)
WBUA&FS, KOLKATA	-	1(1,0,0,0)/(0,0)
TOTAL	26(15,4,2,5)/(1,1)	36 (23,5,3,5)/(1,1)

* Veterinary graduates only

O. VETERINARY SCIENCE

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)					
	Veterinary Anatomy (& Histology)	Vet. Obstetrics & Gyna. & R. Bio./Ani. Rep	Vet. Medicine (Clinical & Preventive)	Vet. Parasitology	Vet. Phar. & Toxicology	Vet. Path.
	(O-1)	(O-2)	(O-3)	(O-4)	(O-5)	(O-6)
AAU, ANAND	2(1,1,0,0)/(0,0)	2(1,0,1,0)/(0,0)*	2(1,1,0,0)/(1,0)	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)
AAU, JORHAT	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,1)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(1,0)	1(1,0,0,0)/(0,0)
BAU, RANCHI	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(0,1,0,0)/(0,0)
CAU, IMPHAL	-	-	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	-
CCSHAU, HISAR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
CSK HPKV, PALAMPUR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
GADVASU, LUDHIANA	3(1,1,1,0)/(1,0)	4(2,1,1,0)/(1,0)	3(2,0,1,0)/(0,1)+	3(2,1,0,0)/(0,1)	3(2,0,1,0)/(0,0)	4(2,1,1,0)/(0,0)
GBPUA&T, PANTNAGAR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
IGKV, RAIPUR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(0,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
IVRI, IZATNAGAR	-	7(4,1,0,2)/(0,0)	7(4,1,0,2)/(0,0)	8(4,1,1,2)/(1,0)	6(3,1,0,2)/(0,0)	8(4,1,1,2)/(0,0)
KAU, THRISSUR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-
KVAFSU, BIDAR	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	2(2,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
MAFSU, NAGPUR	3(2,1,0,0)/(0,1)	4(2,1,1,0)/(0,0)	3(2,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	4(2,1,1,0)/(0,1)	2(1,1,0,0)/(1,0)
MPPCV, JABALPUR	1(1,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	2(1,0,1,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	3(2,1,0,0)/(0,1)
NAU, NAVSARI	-	-	-	-	-	1(1,0,0,0)/(0,0)
OUA&T, BHUBANESWAR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(0,0,1,0)/(0,0)	1(1,0,0,0)/(0,0)
RAU, PUSA	-	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	-	-
RUVAS, BIKANER	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)
SKDAU, S.K. NAGAR	1(1,0,0,0)/(0,0)	3(2,1,0,0)/(0,0)	2(1,0,1,0)/(0,0)	1(0,0,1,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
SKUAS&T, JAMMU	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(0,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
SKUAS&T(K), SRINAGAR	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(0,1,0,0)/(0,0)	-
SVV UNIV. TIRUPATI	2(1,0,1,0)/(0,0)	1(1,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)
TNV&ASU, CHENNAI	1(0,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)x	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	2(1,0,1,0)/(0,0)
UPPDDUPCVVVEGAS, MATHURA	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
WBUA&FS, KOLKATA	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
TOTAL	25(19,4,2,0)/(1,1)	41(30,6,3,2)/(1,1)	40(29,6,3,2)/(1,1)	32(24,4,2,2)/(1,1)	32(22,5,3,2)/(1,1)	35(25,5,3,2)/(1,1)

* One seat of Reproductive Biology;

x 1 seat for Vet. Clinical Medicine Ethics & Jurisprudence and 1 seats for Vet. Epidemiology & Preventive Medicine

+ 3 seats each for Clinical & Preventive

O. VETERINARY SCIENCE (Continued)

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)					
	Epidemiology/ Wildlife** Sc/ Wildlife Health mgt.	Vet. Virology	Vet. Immunology	Vet. Microbiology/ Bacteriology+	Vet. Surgery & Radiology	Vet. Public Health
	(O-7)	(O-8)	(O-9)	(O-10)	(O-11)	(O-12)
AAU, JORHAT	1(1,0,0,0)/(0,0)	-	-	2(1,1,0,0)/(0,1)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
AAU, ANAND	-	-	-	-	2(1,0,1,0)/(0,0)	1(1,0,0,0)/(0,0)
BAU, RANCHI	-	-	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
CAU, IMPHAL	-	-	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
CCSHAU, HISAR	-	-	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(0,1,0,0)/(1,0)
CSKHPKVV, PALAMPUR	-	-	1(1,0,0,0)/(0,0)	1(0,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
GADVASU, LUDHIANA	-	-	-	4(2,1,1,0)/(1,0)	3(2,1,0,0)/(0,0)	3(1,1,1,0)/(0,1)
GBPUA&T, PANTNAGAR	-	-	-	-	1(1,0,0,0)/(0,0)	-
IGKV, RAIPUR	-	-	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
IVRI, IZATNAGAR	3(1,1,0,1)/(0,0)	8(4,1,1,2)/(0,0)	6(3,1,0,2)/(1,0)	6(3,1,0,2)/(0,0) +	7(4,0,1,2)/(0,1)	6(3,1,0,2)/(0,0)
KAU, THRISSUR	-	-	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
KVAFSU, BIDAR	-	-	-	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	-
MAFSU, NAGPUR	-	-	-	4(2,1,1,0)/(0,0)	3(1,1,1,0)/(1,0)	-
MPPCV, JABALPUR	2(1,1,0,0)/(1,0)	2(2,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
NAU, NAVSARI	-	-	-	-	1(1,0,0,0)/(0,0)	-
NDUA&T, FAIZABAD	-	-	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
OUA&T, BHUBANESWAR	-	-	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
RUVAS, BIKANER	-	-	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
RVSKVV, GWALIOR	-	-	-	-	1(1,0,0,0)/(0,0)	-
SKDAU, S.K. NAGAR	-	-	-	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	-
SKUAS&T, JAMMU	1(1,0,0,0)/(0,0)	-	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
SKUAS&T(K), SRINAGAR	-	-	-	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
SVVU, TIRUPATI	1(0,0,1,0)/(0,0)	-	-	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	-
TNV&ASU, CHENNAI	2(2,0,0,0)/(0,0)	-	-	1(1,0,0,0)/(0,0)	3(2,1,0,0)/(0,0)	-
UPPDDUPCVVVEGAS, MATHURA	1(1,0,0,0)/(0,0)	-	-	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
WBUA&FS, KOLKATA	-	-	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(0,0,1,0)/(0,0)
TOTAL	11(7,2,1,1)/(1,0)	10(6,1,1,2)/(0,0)	8(5,1,0,2)/(1,0)	31(22,5,2,2)/(1,1)	41(30,6,3,2)/(1,1)	20(13,3,2,2)/(1,1)

**Vet. Epidemiology & Preventive Medicine

+Virology

P. ANIMAL SCIENCE

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)				
	Ani. Sc./ Ani. Husb./ Dairy Sc.	Ani. Gen. & Breeding	Ani. Nut. & Feed Tech./ Fodder Tech.	Vety./Ani Physiology	Livestock Prod. & Mgmt.
	(P-1)	(P-2)	(P-3)	(P-4)	(P-5)
AAU, ANAND	-	2(2,0,0,0)/(0,0)	2(1,1,0, 0)/(0,0)	-	1(1,0,0, 0)/(0,0)
AAU, JORHAT	-	2(2,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	2(1,1,0,0)/(0,0)	2(1,1,0, 0)/(0,0)
BAU, RANCHI	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0,0)/(0,0)	-
BHU, VARANASI	3(2,0,0,1)/(0,0)	-	-	-	-
CAU, IMPHAL	-	-	1(1,0,0,0)/(0,0)	-	1(1,0,0, 0)/(0,0)
CCS HAU, HISAR	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0, 0)/(0,0)	1(1,0,0, 0)/(0,0)
CSAUA&T, KANPUR	-	-	-	-	2(1,1,0, 0)/(0,0)
Dr BSKKV, DAPOLI	2(2,0,0,0)/(0,0)	-	-	-	-
Dr PDKV, AKOLA	9(6,2,1,0)/(1,0)@	-	-	-	-
CSK HPKVV, PALAMPUR	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0, 0)/(0,0)	-
GADV&ASU, LUDHIANA	-	3(2,1,0,0)/(0,1)	3(2,0,1,0)/(1,0)	3(1,1,1, 0)/(0,0)	3(2,1,0, 0)/(1,0)
GBPUA&T, PANTNAGAR	-	2(1,1,0,0)/(0,0)	2(1,1,0,0)/(0,0)	1(1,0,0, 0)/(0,0)	2(2,0,0, 0)/(0,1)
IGKV, RAIPUR	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0, 0)/(0,0)	1(1,0,0, 0)/(0,0)
IVRI, IZATNAGAR	-	8(3,1,1,3)/(0,0)	8(4,1,1,2)/(1,0)	7(3,1,1,2)/(0,0)	5(3,1,1,0)/(0,0)
JAU, JUNAGADH	-	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	-	1(1,0,0, 0)/(0,0)
KAU, THRISSUR	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0, 0)/(0,0)	-
KVAFSU, BIDAR	-	1(1,0,0, 0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0, 0)/(0,0)
MAFSU, NAGPUR	-	2(1,1,0,0)/(0,0)+	4(2,1,1,0)/(0,0)	1(1,0,0,0)/(0,0)	4(2,1,1,0)/(0,0)
MAU, PARBHANI	7(5,1,1,0)/(0,1)	-	-	-	-
MPKV, RAHURI	6(5,1,0,0)/(0,0)*	-	-	-	-
MPPCV, JABALPUR	-	2(1,1,0, 0)/(0,0)	2(1,1,0, 0)/(0,0)	1(1,0,0, 0)/(0,0)	2(2,0,0, 0)/(1,0)
NDRI, KARNAL	-	11(6,1,1,3)/(1,0)	14(8,1,1,4)/(0,1)	10(5,1,1,3)/(0,1)	11(6,1,1,3)/(0,0)
NDUA&T, FAIZABAD	-	-	1(1,0,0,0)/(0,0)	-	1(1,0,0, 0)/(0,0)
NAU, NAVSARI	-	-	-	-	1(1,0,0, 0)/(0,0)
OUA&T, BHUBANESWAR	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0, 0)/(0,0)
RAU, PUSA	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-
RUVAS, BIKANER	-	1(1,0,0, 0)/(0,0)	1(1,0,0, 0)/(0,0)	1(1,0,0, 0)/(0,0)	1(1,0,0, 0)/(0,0)
SASARD, NAGALAND	-	-	-	-	1(1,0,0, 0)/(0,0)
SHIATS, ALLAHABAD	-	5(3,1,1,0)/(1,0)	5(3,1,1,0)/(0,0)	-	5(3,1,1,0)/(0,0)
SKDAU, S.K. NAGAR	-	2(1,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	2(2,0,0, 0)/(0,0)
SKUAS&T, JAMMU	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	1(1,0,0, 0)/(0,0)
SKUAS&T(K), SRINAGAR	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)
SVBPUAT, MEERUT	1(1,0,0,0)/(0,0)	-	-	-	-
SVV UNIV., TIRUPATI	-	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)
TNV&ASU, CHENNAI	-	1(0,0,1,0)/(0,0)	1(1,0,0,0)/(0,0)	1(0,1,0,0)/(1,0)	2(1,1,0,0)/(0,0)
UPPDDUPCVVVEGAS, MATHURA	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
WBUA&FS, KOLKATA	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(0,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)
TOTAL	28(21,4,2,1)/(1,1)	55(37,8,4,6)/(2,1)	63(42,10,5,6)/(2,1)	37(23,6,3,5)/(1,1)	55(40,8,4,3)/(2,1)

@3 seats for Dairy Sc.;

*2 seats for M.Sc. (Ag) in Dairy Sci;

+For B.V.Sc.;

× Dairy Science

P. ANIMAL SCIENCE (Continued)

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)				
	LPT & Meat Sci. Tech.	Poultry Science	Animal Husb./ Vety. Extn. Edn.	Livestock/Anim. Hus./Vet. Economics	Bio-statistics
	(P-6)	(P-7)	(P-8)	(P-9)	(P-10)
AAU, ANAND	-	1(1,0,0,0)/(0,0)	-	-	-
AAU, JORHAT	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	-	-
CCSHAU, HISAR	-	-	1(1,0,0,0)/(0,0)	-	-
GADV&ASU, LUDHIANA	3(2,1,0,0)/(0,0)	-	3(1,1,1,0)/(1,0)	-	-
GBPUA&T, PANTNAGAR	1(1,0,0,0)/(0,0)	2(2,0,0,0)/(0,0) ^a	1(1,0,0,00)/(0,0)	1(1,0,0,0)/(0,0)	-
IVRI, IZATNAGAR	4(2,1,0,1)/(0,0)	10(4,2,1,3)/(0,0)	5(3,1,0,1)/(1,0)	2(1,1,0,0)/(0,0)*	4*(2,0,1,1)/(0,0)
JNKVV, JABALPUR	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-
KAU, THRISSUR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
KVAFSU, BIDAR	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-
MAFSU, NAGPUR	3(2,0,1,0)/(1,0)	-	1(1,0,0,0)/(0,0)	-	-
NDRI, KARNAL	-	-	10(5,2,0,3)/(0,0)	12(6,2,1,3)/(1,0)	-
OUA&T, BHUBANESWAR	-	1(1,0,0,0)/(0,0)	-	-	-
SHIATS, ALLAHABAD	-	5(3,1,1,0)/(1,0)	5(3,1,1,0)/(0,1)	-	-
SKUAS&T, JAMMU	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	-	-
SKUAS&T(K), SRINAGAR	1(1,0,0,0)/(0,0)	-	-	-	-
SVV UNIV., TIRUPATI	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
TNV&ASU, CHENNAI	2(1,1,0,0)/(0,0)	3(2,1,0,0)/(0,1)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
WBUA&FS, KOLKATA	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	2(2,0,0,0)/(0,0)	-
TOTAL	19(14,3,1,1)/(1,0)	26(17,4,2,3)/(1,1)	32(21,5,2,4)/(1,1)	18(11,3,1,3)/(1,0)	4(2,0,1,1)/(0,0)

^aOne seat each for B.V.Sc. & B.Sc. Ag.

*The minimum eligibility for admission to M.V.Sc. will remain B.V.Sc. & AH qualification

Q. FISHERIES SCIENCES

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)					
	Fisheries Sci./ Fish. Hydro/Fish Env*/Fish Indus. Tech.	Fisheries Resources Management	Inland Aquaculture/ Mariculture/ Freshwater culture	Fish Processing Technology	Aquatic/ Fish Biology	Fish Pathology & Fish Microbiology
	(Q-1)	(Q-2)	(Q-3)	(Q-4)	(Q-5)	(Q-6)
CAU, IMPHAL	-	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	1(0,0,1,0)/(0,0)
CCSHAU, HISAR	1(1,0,0,0)/(0,0)	-	-	-	-	-
CIFE, MUMBAI	-	8(4,2,0,2)/(0,0)	12(8,1,1,2)/(1,0)	7(3,1,1,2)/(0,0)	4(2,0,0,2)/(0,0)	8(4,1,0,3)/(0,0)
Dr BSKKV, DAPOLI	-	1(1,0,0,0)/(1,0)	2(2,0,0,0)/(0,1)	1(1,0,0,0)/(0,0)	2(1,0,1,0)/(0,0)	-
GADVASU, LUDHIANA	-	-	2(1,0,1,0)/(0,0)	-	-	-
GBPUA&T, PANTNAGAR	-	1(1,0,0,0)/(0,0)	-	1(0,1,0,0)/(0,0)	-	-
IGKVV, RAIPUR	-	-	2(1,1,0,0)/(0,0)	-	-	-
JAU, JUNAGADH	-	1(1,0,0,00)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-
KAU, THRISSUR	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-
KVAFSU, BIDAR	1(0,1,0,0)/(0,0)	1(1,0,0,0)/(0,0)	2(1,1,0,0)/(0,0)	1(0,1,0,0)/(0,0)	-	1(0,1,0,0)/(0,0)
MPUAT, UDAIPUR	-	-	2(1,1,0,0)/(0,0)	-	-	-
OUA&T, BHUBANESWAR	-	-	2(1,1,0,0)/(0,0)	-	-	-
SKUAS&T, SRINAGAR	1(1,0,0,0)/(0,0)	-	-	-	-	-
SVV UNIV., TIRUPATI	1(1,0,0,0)/(0,0) ⁺	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-
TNV&ASU, CHENNAI	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-
WBUA&FS, KOLKATA	-	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)
TOTAL	5(4,1,0,0)/(0,0)	13(8,2,1,2)/(1,0)	31(22,5,2,2)/(1,1)	14(9,2,1,2)/(1,0)	8(4,1,1,2)/(0,0)	11(5,2,1,3)/(0,0)

+ Fisheries Eng. & Technology

Q. FISHERIES SCIENCES (Continued)

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)					
	Fisheries Extension (Q-7)	Aquatic Env. Management (Q-8)	Fish Post-harvest Technology (Q-9)	Fish Genetics/ *Biotechnology (Q-10)	Fish Nutrition & Biochemistry (Q-11)	Fish Business Management/ Fisheries Eco. (Q-12)
CAU, IMPHAL-	1(1,0,0,0)/(0,0)	-	-	-	-	-
CIFE, MUMBAI	8(4,1,1,2)/(0,1)	6(3,1,1,1)/(0,0)	7(3,1,1,2)/(0,0)	4(2,1,0,1)/(0,0) *4(2,0,1,1)/(0,0)	4(2,1,0,1)/(0,0)	4(2,1,0,1)/(0,0)
Dr. BSKKV, DAPOLI	-	1(1,0,0,0)/(0,0)	-	-	-	-
KVAFSU, BIDAR	-	1(1,0,0,0)/(0,0)	-	-	-	-
TNV&ASU, CHENNAI	1(0,1,0,0)/(0,0)	-	-	1(1,0,0,0)/(0,0)	-	1(1,0,0,0)/(0,0)
WBUA&FS, KOLKATA	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)	-	-	-	-
TOTAL	11(6,2,1,2)/(0,1)	9 (6,1,1,1)/(0,0)	9 (3,1,1,2)/(0,0)	9(5,1,1,2)/(0,0)	4(2,1,0,1)/(0,0)	5 (3,1,0,1)/(0,0)

R. DAIRY SCIENCES

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)	
	Dairy Microbiology (R-1)	Dairy Chemistry (R-2)
AAU, ANAND	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(1,0)
KVA&FSU, BIDAR	1(1,0,0,0)/(0,0)	-
IGKV, RAIPUR	1(1,0,0,0)/(1,0)	1(1,0,0,0)/(0,0)
NDRI, KARNAL	12(7,2,1,2)/(0,0)	12(6,2,1,3)/(0,1)
WBUA&FS, BELGACHIA	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
TOTAL	16(11,2,1,2)/(1,0)	15(9,2,1,3)/(1,1)

S. DAIRY TECHNOLOGY

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)	
	Dairy Technology (S-1)	Dairy Engineering (S-2)
AAU, ANAND	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
CSAUA&T, KANPUR	1(1,0,0,0)/(0,1)	-
IGKV, RAIPUR	1(1,0,0,0)/(0,0)	1(1,0,0,0)/(0,0)
KVA&FSU, BIDAR	1(1,0,0,0)/(0,0)	-
NDRI, KARNAL	17(9,3,1,4)/(1,0)	8(3,1,1,3)/(0,0)
SHIATS, ALLAHABAD	5(3,1,1,0)/(0,0)	-
TOTAL	26(16,4,2,4)/(1,1)	10(5,1,1,3)/(0,0)

T. FOOD SCIENCE & TECHNOLOGY

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)
	Food Science and Tech.
ANGRAU, HYDERABAD	4(3,1,0,0)/(1,0)
CCS HAU, HISAR	2(2,0,0,0)/(0,0)
Dr.YSPUHF&F,SOLAN	2(2,0,0,0)/(0,0)
GBPUA&T, PANTNAGAR	1(1,0,0,0)/(0,0)
JNKVV, JABALPUR	2(2,0,0,0)/(0,0)
MAU, PARBHANI	4(2,1,1,0)/(0,0)
MPKV, RAHURI	2(2,0,0,0)/(0,0)
PAU, LUDHIANA	1(1,0,0,0)/(0,0)
SHIATS, ALLAHABAD	10* (7,2,1,0)/(0,1)
TOTAL	28(22,4,2,0)/(1,1)

+ 5 seats for Food Process Engg. & 5 seats for Food Engg.

U. AGRI BUSINESS MANAGEMENT

Name of Universities	Total Number of Seats (Gen, SC, ST, OBC)/(PH, UPS)	
	Agri Business Management	Agri Mktg. & Cooperation
	(U-1)	(U-2)
AAU Jorhat	3(2,1,0,0)/(0,0)	-
ANGRAU Hyderabad	11(8,2,1,0)/(0,1)	-
AAU, Anand	4(3,1,0,0)/(0,0)	-
AMU, Aligarh	2(2,0,0,0)/(0,0)	-
CCSHAU Hisar	10(8,1,1,0)/(1,0)	-
Dr.YSPUHF&F,SOLAN	3(3,0,0,0)/(0,0)	-
JAU, Junagarh	8(6,1,1,0)/(0,0)	-
JNKVV Jabalpur	4(3,1,0,0)/(0,0)	-
KAU Thrissur	5(4,1,0,0)/(0,0)**	2(1,1,0,0)/(0,0)*
NAU, Navsari	8(6,1,1,0)/(0,0)	-
SHIATS Allahabad	30(23,5,2,0)/(1,1)	-
TNAU Coimbatore	1(1,0,0,0)/(0,0)	-
UAS Bengaluru	6(4,1,1,0)/(1,0)+	1(1,0,0,0)/(0,0)
UAS Dharwad	3(3,0,0,0)/(0,0)	-
TOTAL	98(76,15,7,0)/(3,2)	3(2,1,0,0)/(0,0)

*Rural Marketing Management

**Rural Banking & Finance Management

- Master of Agril. Econ & Business Management (MAEBM)

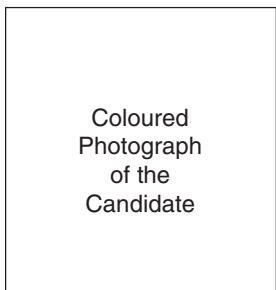
+ Master's in Business Administration (Agri. Business Mgt.)

- NOTE:**
- The seat position indicated here is based on the information received from the Universities before publication of the bulletin. The seat position may change on account of any decisions taken by the AUs later on. The final position would be known only at the time of counseling.
 - The numbers given in tables should be read as: Total number of Seats (Seats for Gen, SC, ST, OBC)/(PH, UPS).
 - Seats for OBC in central universities, namely AMU, BHU, Viswa Bharati, CAU, IARI, IVRI, NDRI & CIFE, may be allotted/filled at the time of counseling as per Government of India directives (if any) and number of seats communicated by concerned university.
 - 15% of total seats are reserved for SC, 7.5% for ST, 3% (Horizontally) for Physically Handicaped (PH) category and 2% (Horizontally) for Underpriveleged States (UPS). Reservation for PH and UPS categories will horizontal across all categories i.e. such candidates would draw their seats from the Gen/SC/ST/OBC categories to which they belong.
 - The exact title/nomenclature of the degree programme may vary from one university to other. Candidates are advised to enquire the nomenclature of degree programme from the university concerned at the time of counselling.
 - Adequate care has been taken to update information ensuring no error in printing. However, final seat position would be known and displayed at the time of counseling.

PROFORMA FOR AUTHORITY LETTER AND UNDERTAKING FOR AUTHORISED REPRESENTATIVE TO PARTICIPATE IN COUNSELING ON BEHALF OF CANDIDATE

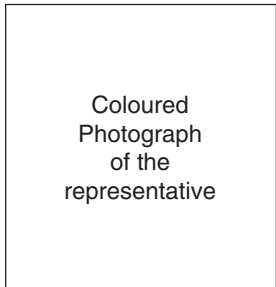
AUTHORITY LETTER

I.....Son/Daughter of Shri..... bearing Roll No..... do hereby authorize Shri/Mrs/Miss..... Son/Wife/Daughter of Shri.....R/o..... to represent me on..... (date) before the Committee for allotment of a seat in University/Institute. The signature and Photograph of above named person are attested below:



Attested by the Principal of School/College/Head of Institution Last attended or by a Gazetted Officer (With full address of Attesting Authority)

Name _____
 Roll No. _____
 Merit Rank _____
 Address _____



Photograph of representative to be Attested by Gazetted Officer

(Signature of the authorized representative)

(Attested by the Candidate)

I.....Son/Daughter of Shri.....aged Years bearing Roll No. placed at Merit Rankin All India Entrance Examination for Admission (AIEEA-PG-2011) do hereby solemnly affirm and undertake that the decision of my authorized representative Shri/Mrs./Miss Son/Daughter/ Wife of Shriregarding the allotment of seat in the University on the date of personal appearance (.....) shall be binding on me and I shall not have any claim whatsoever, other than the decision taken by my authorized representative on my behalf.

.....
 (Signature of the Candidate)

Name :

Roll No.:

Merit Rank:

NOTE: Any authorised representative can not represent more than two candidates.

SCHEDULED CASTE / TRIBE CERTIFICATE-FORMAT

CASTE CERTIFICATE

1. This is to certify that Shri/Smt/Kumari..... Date of Birth
 Son/Daughter of.....of village/town
 in District/Division of State/Union Territorybelongs to theCaste/Tribe which
 is recognized as SC/ST under The Constitution (Scheduled Caste) Order, 1950. The Constitution (Scheduled
 Caste) Union Territories Order, 1951. The Constitution (Scheduled Tribes) Union Territories Order. 1951, as
 amended by the SCs And STs List (Modification) Order. 1950; The Bombay Reorganisation Act, 1960; The
 Punjab Reorganization Act, 1966; The State Of HP Act, 1970; The North Eastern Areas (Reorganisation) Act,
 1971 and the SCs And STs Order (Amendment) Act, 1976. The Constitution (Jammu & Kashmir) SC Order,
 1956. The Constitution (Andaman & Nicobar Islands) SC Order 1959 as amended by SCs and STs Order
 (Amendment) Act, 1976. The Constitution (Dadra And Nagar Haveli) SCs Order, 1962. The Constitution (Dadra
 And Nagar Haveli) STs Order, 1962. The Constitution (Pondicherry) SCs Order, 1964. The Constitution
 Scheduled Tribes (Uttar Pradesh) Order. 1967. The Constitution (Goa, Daman & Diu) SCs Order, 1968. The
 Constitution (Nagaland) STs Order. 1970. The Constitution (Sikkim) SCs Order, 1968.
2. Shri/Smt/Kumari.....and/or his/her family ordinarily reside(s) in Village/
 Town..... of District.....of State/Union Territory of
3. Applicable in the case of SC/ST persons who have migrated from State/Union Territory Administration to
 another State/Union Territory. The certificate is issued on the basis of the SC/ST Certificate to Shri/Smt.
 father/mother of Shri/Smt/Kumari..... of Village/
 Town..... in District/Division..... of the State/Union
 Territory who belongs to the Scheduled Caste/
 Scheduled Tribe in the State/Union Territory issued by the (Name of the prescribed
 authority) vide their No Dated.....

Signature
 Designation (With Seal of Office)

Place (State/Union Territory)

Date

*Please delete the words which are not applicable. Please quote specific presidential order.

NOTE: The term ordinarily reside(s) used here has the same meaning as in section 20 of the representation of the
 people's act, 1950.

List of Authorities Empowered to Issue SC/ST Certificates

1. District Magistrate/Additional District Magistrate/Deputy Commissioner/Additional Deputy Commissioner/
 Deputy Collector/1st Class Stipendiary Magistrate/City Magistrate/Sub-divisional Magistrate/Taluka
 Magistrate/Executive Magistrate/Extra Assistant Commissioner not below the rank of 1st class Stipendiary
 Magistrate.
2. Chief Presidency Magistrate/Additional Chief Presidency Magistrate/Presidency Magistrate
3. Revenue Officers, not below the rank of Tehsildar
4. Sub-divisional Officer of the area where the candidate and/or his family normally resides
5. Administrator/Secretary to Administrator/Development Officer (Lakshadweep Islands)

**FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES (OBC) APPLYING FOR
ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER THE GOVERNMENT OF INDIA**

This is to certify that Shri/Smt./Kum.Son/Daughter of
Shri/Smt. of Village/Town.....
District/Divisionin the..... State belongs to the
..... Community which is recognized as a backward class under:

- (i) Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No186 dated 13/09/93.
- (ii) Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 Dated 20/10/94.
- (iii) Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 Dated 25/05/95.
- (iv) Resolution No. 12011/96/94-BCC dated 9/03/96.
- (v) Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 Dated 11/12/96.
- (vi) Resolution No. 12011/13/97-BCC dated 03/12/97.
- (vii) Resolution No. 12011/99/94-BCC dated 11/12/97.
- (viii) Resolution No. 12011/68/98-BCC dated 27/10/99.
- (ix) Resolution NO. 12011/88/98-BCC Dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated 06/12/99.
- (x) Resolution NO. 12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71 dated 04/04/2000.
- (xi) Resolution NO. 12011/44/99-BCC Dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 21/09/2000.
- (xii) Resolution NO. 12015/9/2000-BCC dated 06/09/2001.
- (xiii) Resolution NO. 12011/1/2001-BCC dated 19/06/2003.
- (xiv) Resolution NO. 12011/4/2002-BCC dated 13/01/2004.
- (xv) Resolution NO. 12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 16/01/2006.
- (xvi) Resolution NO. 12011/14/2004-BCC dated the 12th March, 2007, published in the Gazette of India-Extraordinary-Part I, Section 0-I, No.67 dated 12th January, 2007.

Shri/Smt./Kum.....and/or his family ordinarily reside(s) in the
.....District/Division of.....State. This is
also to certify that he/she does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of the
Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt.(SCT)
Dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt.(Res.) dated 09/03/2004.

Dated:.....

DISTRICT MAGISTRATE/
DEPUTY COMMISSIONER, ETC.
SEAL

NOTE:

- (a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
- (b) The authorities competent to issue Caste Certificates are indicated below:
 - (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / Ist Class Stipendiary Magistrate / Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (Not Below The Rank Of Ist Class Stipendiary Magistrate).
 - (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
 - (iii) Revenue Officer not below the rank of Tehsildar' and
 - (iv) Sub-Divisional Officer of the area where the candidate and / or his family resides.

DECLARATION/UNDERTAKING - FOR OBC CANDIDATES ONLY

I,Son/Daughter of Shri
resident of Village/Town/City.....DistrictState hereby declare that I belong
to the.....Community which is recognised as a Backward Class by the Government of India for
the purpose of reservation in services as per orders contained in Department of Personnel and Training Office
Memorandum No.36012/22/93- Estt.(SCT), dated 8/9/1993. It is also declared that I do not belong to persons/
Sections (Creamy Layer) mentioned in Column 3 of The Schedule to the above referred Office Memorandum,
Dated 8/9/1993, which is Modified vide Department of Personnel and Training Office Memorandum No.36033/3/
2004 Estt.(Res.) Dated 9/3/2004.

Signature of the Candidate

Place:

Date:

- Declaration/undertaking not signed by candidate will be rejected.
- False declaration will render the applicant liable for termination of registration at any time.

Creamy Layer Definition

OBC Creamy layer is defined comprehensively at <http://ncbc.nic.in/html/creamyayer.html>

All candidates for the OBC reserved seats should make sure that they do not satisfy any of the creamy layer criteria as listed in the website. Some general exclusion for quick reference (no way comprehensive) are as follows.

1. Any of the parents holds a constitutional position in govt. of India
2. Any one of the parents is a class i officer.
3. Both the parents are class ii officers.
4. Any one of the parents is employed in an equivalent rank to class I officer or both parents equivalent to class II officer in a public sector, insurance companies, banks, universities or in other organizations
5. Land holdings on irrigated land is 85% or more of the statutory ceiling area.
6. Parents income is more than Rs. 4.5 lakhs per year.

EXAMINATION CITY CENTRE AND NODAL OFFICERS' CONTACT ADDRESSES

NAME OF THE EXAM CITY CENTRE	CODE NO.	ALPHABETIC CODE NAME	NODAL OFFICER & CONTACT PH. NO.	CONTACT ADDRESS
ANAND	01	AND	Director 0268-2578602	National Research Centre for Medicinal & Aromatic Plants, Boriavi, Anand-387 310. Gujarat
BENGALURU	02	BAN	Director 080-28466353	Indian Institute of Horticultural Research, Hessaraghatta Lake, Bangalore-560 089. Karnataka
BHOPAL	03	BPL	Director 0755 2737191 FAX:0755 2734016	Central Institute of Agricultural Engineering, Nabi Bagh, Barasia Road, Bhopal – 462 038 (Madhya Pradesh)
BHUBANESWAR	04	BBR	Director 0674-2300060	Water Technology Centre for Eastern Region, Chandrasekharpur, Bhubaneswar-751 023. Orissa.
CHANDIGARH	05	CHD	Regional Head 0172 2650783 FAX:0172 2650783	Central Soil & Water Conservation Research & Training Institute, Research Centre, Sector-27-A, Madhya Marg, Chandigarh-160 019.
CHENNAI	06	CHN	Director 044-24617253	Central Institute of Brackish Water Aquaculture, R.A. Puram, Chennai-600 028. TN
COIMBATORE	07	CBR	Director 0442-2472986	Sugarcane Breeding Institute, Coimbatore-641 007. TN
DELHI	08	DEL	Deputy Secretary (Edn) 011-25848033	Education Division, ICAR, KAB-II, Pusa, New Delhi-110012
GUWAHATI	09	GUH	Dean 0361-2337700	College of Veterinary Science, Khanapara, Guwahati. Assam
HYDERABAD	10	HYD	Director 040-24530177	Central Research Institute for Dryland Agriculture, Santoshnagar, Hyderabad-500 059. AP
IMPHAL	11	IMP	0385-2410644	Registrar, Central Agricultural University, Imphal. Manipur
JAIPUR	12	JPR	Zonal Director (Research) 0141 2550229 FAX:0141 2550229	Agricultural Research Station, Durgapura, Jaipur-302 018 (Rajasthan)
JAMMU	13	JAM	Dean 0191-2262845	College of Agriculture, SKUAS&T, Jammu, Jammu and Kashmir
KARNAL	14	KAR	Registrar (Academic) 0184-2259009	National Dairy Research Institute, Karnal. Haryana
LUCKNOW	15	LKW	Director 0522-2480726	Indian Institute of Sugarcane Research, Lucknow-226 002. UP
KOLKATA	16	KOL	Director 033-24711807	NIRJAFT, 12 Regent Park, Kolkata-700 040. West Bengal
NAGPUR	17	NAG	Director 07103-275536	Central Institute for Cotton Research, Nagpur-440 010. Maharashtra
PATNA	18	PAT	Director 0612-2223962	ICAR Research Complex for Eastern Region, ICAR Parisar, P.O. Bihar Veterinary College, Patna-800 014. Bihar
PANTNAGAR	19	PNT	Coordinator Admissions 05944-233407 Fax: 05944-233473	G.B. Pant University of Agriculture & Technology, Phoolbagh, Pantnagar – 263145 (Uttarakhand)

NAME OF THE EXAM CITY CENTRE	CODE NO.	ALPHABETIC CODE NAME	NODAL OFFICER & CONTACT PH. NO.	CONTACT ADDRESS
PORT BLAIR	20	POR	Director 03192-250436	Central Agricultural Research Institute, Port Blair-744 101. A&N.
PUNE	21	PUN	Director 020-26914245	National Research Centre on Grapes, Pune-412 307. Maharashtra.
RAIPUR	22	RAP	Dean 0771-2442491	College of Agriculture, IGKV, Raipur. Chhattisgarh
RANCHI	23	RAN	Director 0651-2261156	Indian Institute of Natural Resins & Gums, Namkum, Ranchi-834 010. Jharkhand.
SRINAGAR	24	SGR	Director 0194-2305044	Central Institute of Temperate Horticulture, Old Air Field, Rangreth, Srinagar-190 007. J&K
THIRUVANANTHA-PURAM	25	TRM	Director 0471 2598431 FAX:0471 2590063	Central Tuber Crops Research Institute, Sreekariyam, Thiruvananthapuram – 695 017 (Kerala)
UDAIPUR	26	UDP	Dean 0294-2418976	Rajasthan College of Agriculture, Udaipur-313001. Rajasthan.
VARANASI	27	VAR	Director 0542-2635236	Indian Institute of Vegetable Research, P.B. No. – 1, P.O. Jakhini, Shahanshapur, Varanasi – 221 305 (U.P.)
MEDZIPHEMA	28	MDP	Director 03862 247341 Fax: 03862 247341	National Research Centre for Mithun, Jharnapani, P.O. – Medzhiphema, Dimapur – 797 107 (Nagaland)

NOTE:

1. The exact name/location of Examination venue in the Examination city centre will be notified later along with the Roll Number in accordance with the Application Number and Date of Birth and shall be available on ICAR website www.icar.org.in around 20th March 2011.
2. ICAR may change/shift the Examination City Center if number of candidates is more/less at any City Center opted by the candidate.

DOMICILE STATE CODES

Sl. No.	Name of State/UT	Code Number	Code Name
1.	ANDAMAN & NICOBAR ISLANDS	01	A N
2.	ANDHRA PRADESH	02	A P
3.	RUNACHAL PRADESH	03	A R
4.	ASSAM	04	A S
5.	BIHAR	05	B I
6.	CHANDIGARH (UT)	06	C H
7.	CHHATTISGARH	07	C G
8.	DADRA & NAGAR HAVELI (UT)	08	D N
9.	DAMAN & DIU (UT)	09	D D
10.	DELHI	10	D L
11.	GOA	11	G O
12.	GUJARAT	12	G U
13.	HARYANA	13	H R
14.	HIMACHAL PRADESH	14	H P
15.	JAMMU & KASHMIR	15	J K
16.	JHARKHAND	16	J D
17.	KARNATAKA	17	K T
18.	KERALA	18	K E
19.	LAKSHADWEEP (U.T.)	19	L D
20.	MADHYA PRADESH	20	M P
21.	MAHARASHTRA	21	M S
22.	MANIPUR	22	M A
23.	MEGHALAYA	23	M G
24.	MIZORAM	24	M Z
25.	NAGALAND	25	N G
26.	ORISSA	26	O R
27.	PUDUCHERRY (U.T.)	27	P D
28.	PUNJAB	28	P U
29.	RAJASTHAN	29	R A
30.	SIKKIM	30	S I
31.	TAMIL NADU	31	T N
32.	TRIPURA	32	T R
33.	UTTARAKHAND	33	U K
34.	UTTAR PRADESH	34	U P
35.	WEST BENGAL	35	W B
36.	OTHER (IF ANY)	36	O T

NUMERIC CODES FOR UNIVERSITY FROM WHERE GRADUATED, SUBJECT STREAM, FACULTY AND DURATION

A. CODES FOR UNIVERSITY FROM WHERE GRADUATED

Code No.	Name of the University	Code Name (3 Letters)
01	Acharya N.G. Ranga Agricultural University, Rajendra Nagar Hyderabad-500 030 (A.P.)	ANG
02	Anand Agricultural University, Anand-388 110 (Gujarat)	AND
03	AP Horticultural University, Venkataramnagudem, West Godawari-534101. AP	AHU
04	Assam Agricultural University, Jorhat-785 013, (Assam)	AAU
05	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia-741 252 (West Bengal)	BCK
06	Birsa Agricultural University, Kanke, Ranchi-834 006 (Jharkhand)	BAU
07	Ch. Sarwan Kumar Krishi Vishva-Vidyalaya, Palampur-176 062 (H.P.)	HPK
08	C.S. Azad University Of Agri. & Technology, Kanpur-208 002 (U.P.)	CSA
09	Ch. Charan Singh Haryana Agril. University, Hisar-125 004 (Haryana)	HAU
10	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, Distt. Ratnagiri-415 712 (Maharashtra)	KKV
11	Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Krushinagar, Akola-444 104 (Maharashtra)	PDK
12	Dr. Yashwant Singh Parmar Univ. Of Horticulture & Forestry, Solan, Nauni-173 230 (H.P.)	YSP
13	Guru Angad Dev Vety. & Animal Sciences University, Ludhiana-141004. Punjab	GAD
14	G.B. Pant University Of Agri. & Technology, Pantnagar, Distt. Udham Singh Nagar-263145 (Uttarakhand)	GBP
15	Indira Gandhi Krishi Vishwavidyalaya, Krishak Nagar, Raipur-492 012 (Chhattisgarh)	IGK
16	Jawaharlal Nehru Krishi Viswa Vidyalaya, Adhartal, Jabalpur-482 004 (M.P.)	JNK
17	Junagadh Agricultural University, Junagadh-362 001 (Gujarat)	JAU
18	Karnataka Veterinary Animal And Fisheries Sciences University, Nandinagar, Bidar-585 401. Karnataka.	KVA
19	Kerala Agricultural University, Vellanikara, Thrissur-680 656 (Kerala)	KAU
20	MP Pashu Vigyan Evam Chikitsa Vishwavidyalaya, Jabalpur	MPP
21	Maharana Pratap University Of Agriculture & Technology, Udaipur-313 001 (Rajasthan)	MPU
22	Maharashtra Animal Science & Fishery University, Seminary Hills, Nagpur-440 006 (Maharashtra)	MAS
23	Mahatma Phule Krishi Vidyapeeth, Rahuri-413 722 (Maharashtra)	MPK
24	Marathwada Agricultural University, Parbhani-431 402 (Maharashtra)	MAU
25	Narendra Deva University Of Agri. And Technology, Kumarganj, Faizabad-224 229 (Uttar Pradesh)	NDU
26	Navsari Agricultural University, Dandi Road, Eruchar Rasta, Navsari-396 450 (Gujarat)	NAU
27	Orissa University Of Agriculture & Technology, Bhubaneswar-751 003 (Orissa)	OUA
28	Punjab Agricultural University, Ludhiana-141 004 (Punjab)	PAU
29	Rajendra Agricultural University, Pusa, Samastipur-848 125 (Bihar)	RAU
30	Rajasthan Veterinary And Animal Sciences University, Bikaner	RVB
31	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya Race Course Road, Gwalior-474002. MP	RVG
32	Sardar Vallabh Bhai Patel Univ. Of Agriculture & Technology, Modipuram, Meerut-250 110 (U.P.)	SVB
33	Sardarkrushinagar-Dantiwada Agricultural University, Sardar Krushinagar, Distt. Banaskantha-385 506 (Gujarat)	SDA
34	Sher-E-Kashmir University Of Agril. Sciences & Technology, Jammu-180 012 (J&K)	SKJ
35	Sher-E-Kashmir University Of Agril. Sciences & Technology Of Kashmir, Shalimar Campus, Srinagar-191 121 (J&K)	SKS
36	Sri Venkateswara Veterinary University, Tirupati, Chittoor-517 502 (Andhra Pradesh)	SVV
37	Swami Keshwanand Rajasthan Agricultural University, Bikaner-334 006 (Rajasthan)	RAB
38	Tamil Nadu Agricultural University, Coimbatore-641 003 (Tamil Nadu)	TNA

Code No.	Name of the University	Code Name (3 Letters)
39	Tamil Nadu Veterinary & Animal Sciences University, Chennai-600 051 (Tamil Nadu)	TNV
40	University Of Agricultural Sciences, Dharwad-580 005 (Karnataka)	UAD
41	University Of Agricultural Sciences, GKVK, Bengaluru-560 065 (Karnataka)	UAB
42	University Of Agricultural Sciences, Raichur-584102. Karnataka	UAR
43	University Of Horticultural Sciences, Bagalkot-587102. Karnataka	UHB
44	UP Pandit Deen Dayal Upadhaya Pashu Chikitsa Vigyan Vishwa Vidyalaya Evam Go Anusandhan Sansthan, Mathura-281 001 (U.P.)	UPP
45	Uttar Banga Krishi Viswavidyalaya, P.O. Pundibari, Dist. Cooch Behar-736 165 (West Bengal)	UBK
46	West Bengal University Of Animal & Fishery Sciences, 68 Kb Sarani, Belgachia, Kolkata-700 037 (West Bengal)	WBU
47	Central Agricultural University, P.O. Box 23, Imphal-795 004 (Manipur)	CAU
48	Aligarh Muslim University, Anoop Sahar Road, Aligarh-202 002 (U.P.)	AMU
49	Banaras Hindu University, Institute Of Agricultural Sciences, Varanasi-221 005 (U.P.)	BHU
50	Nagaland University, School of Agricultural Sciences and Rural Development (SASARD), (Nagaland) Medziphema-797 106	NAG
51	Visva Bharati, Palli Siksha Bhavana, P.O. Sriniketan-731 236 (West Bengal)	VIB
52	Sam Higginbottom Institute Of Agriculture, Technology & Sciences (Formerly Allahabad Agricultural Institute), Naini, Allahabad-211 007 (U.P.)	SHT
53	National Dairy Research Institute, Karnal-132 001 (Haryana)	NDR
54	Delhi University	DEL
55	Other Universities	OTH

B: Graduation Subject Stream Code

Stream	Code
Agriculture	01
Agricultural Coop. & Marketing	02
Basic Sciences	03
Dairy Science/Dairy Technology	04
Engineering/Technology	05
Fisheries	06
Forestry	07
Home Science	08
Horticulture	09
Veterinary Science	10
Sericulture	11
Computer Science	12
Biotechnology	13
Food Science	14
Other subject streams	15

C: Graduation College/Faculty Code

Name of College/Faculty	Code
Agriculture	1
Horticulture	2
Home Science	3
Basic Sciences	4
Forestry/Agro Forestry	5
Dairy Science/Dairy Technology	6
Engineering/Agri. Engineering	7
Fisheries Science	8
Veterinary	9
Any other	10

D: Graduation Duration Code

Pattern	Code
10+2+3 Years	3
10+2+4 Years	4
10+2+5 Years	5

UNIVERSITIES FOR ADMISSION WITH ADDRESSES AND REGISTRAR'S CONTACT NUMBER

S. No.	Name & Address of University	Tel. No. of Registrar with STD Code	Fax No. of Registrar
A. ICAR INSTITUTE BASED DEEMED-TO-BE UNIVERSITIES			
1.	Central Institute of Fisheries Education, Mumbai-400 061 (Maharashtra)	022-26348 223	022-26361 573
2.	Indian Agricultural Research Institute, New Delhi-110 012	011-25733 390	011-25846 420
3.	Indian Veterinary Research Institute, Izatnagar-243 122 (U.P.)	0581-2301 375 2302 536	0581-2302 179 2303 284
4.	National Dairy Research Institute, Karnal-132 001 (Haryana)	0184-2259 008	0184-2250 042
B. STATE AGRICULTURAL/ VETERINARY UNIVERSITIES			
5.	Acharya N.G. Ranga Agricultural University, Rajendranagar, Hyderabad-500 030 (A.P.)	040-24015 122	040-24018 653
6.	Anand Agricultural University, Anand-388 110 (Gujarat)	02692-261 310	02692-261 310
7.	A.P. Horticultural University, Venkataramannagudem, West Godawari 534 101 (A.P.)	08816-284445	02692-261 520
8.	Assam Agricultural University, Jorhat-785 013 (Assam)	0376-2340 008	0376-2340 001
9.	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia-741 252 (West Bengal)	033-25878 163	03473-222 277
10.	Bihar Agricultural University, Sabour Distt. Bhagalpur. Bihar.	06274-240239	06274-240255
11.	Birsa Agricultural University, Kanke, Ranchi-834 006. (Jharkhand)	0651-2450 832	0651-2450 850
12.	Ch. Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya, Palampur, Kangra-176 062 (H.P.)	01894-230 383	01894-230 511
13.	C.S. Azad University of Agri. & Technology, Kanpur-208 002 (U.P.)	0512-2533 704	0512-2533 808
14.	Ch. Charan Singh Haryana Agril. University, Hisar-125 004 (Haryana)	01662-234 613	01662-234 613
15.	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, Distt. Ratnagiri-415 712 (Maharashtra)	02358-282 065	02358-282065 02358-282074
16.	Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Krishinagar, Akola-444 104 (Maharashtra)	0724-2258 372	0724-2259248
17.	Dr. Yashwant Singh Parmar Univ. of Horticulture & Forestry, Solan, Nauni-173 230 (H.P.)	01792-252 219	01792-252 009
18.	Guru Angad Dev Vety. & Animal Sciences University, Ludhiana -141 004 (Punjab)	0161-2553 360	0161-2400 822
19.	G.B. Pant University of Agri. & Technology, Pantnagar, Distt. Udham Singh Nagar-263 145 (Uttarakhand)	05944-233 640	05944-233 640 233 473
20.	Indira Gandhi Krishi Vishwavidyalaya, Krishak Nagar, Raipur-492 012 (Chhattisgarh)	0771-2442 537	0771-2442 302
21.	Jawaharlal Nehru Krishi Viswavidyalaya, Adhartal, Jabalpur-482 004 (M.P.)	0761-2481 778	0761-2481 778
22.	Junagadh Agricultural University, Junagadh-362 001 (Gujarat)	0285-2672 346	0285-2672 482
23.	Karnataka Veterinary Animal & Fisheries Sciences University, Nandinagar, Bidar-554 001. Karnataka.	08482-245 107	08482-245 106
24.	Kerala Agricultural University, Vellanikara, Thrissur-680 656 (Kerala)	0487-2371 619	0487-2370 019 2370 432
25.	Madhya Pradesh Pashu Chikitsa Viswavidyalaya, Jabalpur (MP)	0761-2620783	0761-2620783
26.	Maharana Pratap University of Agriculture & Technology, Udaipur-313 001 (Rajasthan)	0294-2471 302	0294-2471 302
27.	Maharashtra Animal & Fishery Sciences University, Seminary Hills, Nagpur-440 006 (Maharashtra)	0712-2511 273	0712-2511 273
28.	Mahatma Phule Krishi Vidyapeeth, Rahuri-413 722 (Maharashtra)	02426-243 216	02426-243 216

29.	Marathwada Agricultural University, Parbhani-431 402 (Maharashtra)	02452-229 755	02452-229 755
30.	Narendra Dev University of Agri. and Technology, Kumarganj, Faizabad-224 229 (Uttar Pradesh)	05270-262 035	05270-262 035
31.	Navsari Agricultural University, Eru Char Rasta, Vijalpore, Navsari-396 450 (Gujarat)	02637-282 823 282 771	02637-284 254283 794
32.	Orissa University of Agriculture & Technology, Siripur, Bhubaneswar, Khurda, 751 003 (Orissa)	0674-2391 424	0674-2391 424
33.	Punjab Agricultural University, Ludhiana-141 004 (Punjab)	0161-2400 955	0161-2400 955
34.	Swami Keshwanand Rajasthan Agricultural University, Bikaner-334 006 (Rajasthan)	0151-2250 025	0151-2250 025
35.	Rajendra Agricultural University, Pusa, Samastipur-848 125 (Bihar)	06274-240 239	06274-240 277
36.	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Race Course Road, Gwalior-474 002 (M.P.)	0751-2467066	0751-2467672
37.	Sardar Vallabh Bhai Patel Univ. Of Agriculture & Technology, Modipuram, Meerut-250 110 (U.P.)	0121-2411 525	0121-2411 505
38.	Sardarkrushinagar-Dantiwada Agricultural University, Sardarkrushinagar, Dantiwada, Distt. Banaskantha-385 506 (Gujarat)	02748-278 226	02748-278 234
39.	Sher-E-Kashmir University of Agril. Sciences & Technology, Railway Road, Jammu-180 012 (J&K)	0191-2475 149	0191-2475 149
40.	Sher-E-Kashmir Univ. of Agril. Sciences & Technology of Kashmir, Shalimar, Srinagar-191 121 (J&K)	0194-2461 271	0194-2461 271
41.	Sri Venkateswara Veterinary University, Regional Library Building, Tirupati, Chittoor-517 502 (AP)	0877-2248 894	0877-2248 986
42.	Tamil Nadu Agricultural University, Coimbatore-641 003 (Tamil Nadu)	0422-2431821	0422-2431821
43.	Tamil Nadu Veterinary & Animal Sciences University, Chennai-600 051 (Tamil Nadu)	044-25551 584	044-25551 585
44.	University of Agricultural Sciences, Dharwad-580 005 (Karnataka)	0836-2747 958	0836-2745276
45.	University of Agricultural Sciences, GKVK, Bengaluru-560 065 (Karnataka)	080-23330 984	080-23330 277
46.	University of Agricultural Sciences, Raichur-584102. Karnataka.	08532-221444	08532-220444
47.	University of Horticultural Sciences, Sector No. 60, Navanagar, Bagalkot-587102. Karnataka.	08354-201354	08354-235152
48.	UP Pandit Deen Dayal Upadhaya Pashu Chikitsa Vigyan Vishwa Vidyalaya Evam Go Anusandhan Sansthan, Mathura-281 001 (U.P.)	0565-2471178 0565-2471288	0565-2404 819
49.	Uttar Banga Krishi Viswavidyalaya, P.O. Pundibari, Dist. Cooch Behar-736 165 (West Bengal)	03582-270 143 03582-270 588	03582-270 143
50.	West Bengal University of Animal & Fishery Sciences, 68 KB Sarani, Belgachia, Kolkata-700 037(West Bengal)	033-2556 3123	033-25563 123
C. CENTRAL AGRICULTURAL UNIVERSITY			
51.	Central Agricultural University, P.O. Box 23, Imphal-795 004 (Manipur)	0385-2415 196	0385-2415 196
D. CENTRAL UNIVERSITIES WITH AGRICULTURE FACULTY			
52.	Aligarh Muslim University (Faculty Of Agricultural Sciences), Anoop Sahar Road, Aligarh-202 002 (U.P.)	0571-2700 220	0571-2700 528
53.	Banaras Hindu University (Institute of Agricultural Sciences), Varanasi-221 005 (U.P.).Dy. Registrar (Dev.)Dy. Registrar (Exam)	0542-2368558 0542-2307 222 0542-2307 270 0542-2307 276 0542-2368 418	0542-2368 174
54.	Nagaland University (School of Agril. Sciences & Rural Development), Medziphema-797 106 (Nagaland)	03862-247 255 03862-247 269-70	03862-247 113
55.	Visva Bharati (Palli Siksha Bhavana), (Bolpur) P.O. Sriniketan-731 236 (West Bengal)	03463-261531 (6 LINES) 03463-264 779	03463-261 156
56.	Sam Higginbottom Institute Of Agriculture, Technology & Sciences (Deemed-To-Be-University) (AAI-DU), (Formerly Allahabad Agricultural Institute) Naini, Allahabad-211 007 (U.P.)	0532-2684 281	0532-2684 394

(cumulative) scored during the entire degree programme. If it is OGPA/ CGPA System, then write the OGPA/ CGPA out of 10.00/ 5.00/ 4.00 scale in two decimal places.

In case degree is not complete, then write the percent marks or OGPA/ CGPA obtained till the previous semester/ year for which the result has been declared.

Sr. No. 19: Year of passing/ appearing in the final year/ semester of degree programme. Write in the boxes, the year as per English Calendar. For example 2 0 0 8 or 2 0 0 9 etc. as applicable.

Sr. No. 20: Code number of College/faculty from where graduated: Refer **Annexure-VIII**

Darken the appropriate circle. For example in case you have graduated from the College of Agriculture of the University, then darken the circle (1) and so on.

Sr. No. 21: Percentage of total aggregate marks obtained in Class X, Class XII (in two decimal places): Here, write the percentage marks scored in all subjects together in Class X, and then in Class XII. Fill one digit in one box.

Sr. No. 22: Write name and complete mailing address: This block will be scanned and used for future correspondence with the candidate. Use black, bold, ball-point pen. Write your name and complete postal address clearly in capital letters including Street/ Lane No./ village P.O. etc. Also, write the state name and PIN code. In case of incomplete or wrong address, our letters/ messages may not reach you. ICAR will not be responsible for delay or non-receipt of information to the candidates on this account.

Sr. No. 23: Signature of the candidate in running hand: The candidate must put his/ her natural signatures by black, bold ball-point pen. These will be scanned and used for verification and admission purposes. **Do not sign in capital letters.**

Sr. No. 24: Recent pass post size photograph: In this space, paste a recent, clear, colour passport size photograph showing front view of the face clearly without any cap and dark spectacles. Do not staple or pin the photograph. **It should NOT be attested or signed by anybody.** The photograph will be scanned and used in your Photo Admit Card and Attendance Sheet. Also, it will be sent to the University where you get admitted for their verification and future records. Unclear photograph will invite rejection of the Form.

Sr. No. 25: Address: Write your mailing address. Write one letter in one box in plain capital letters (not cursive) and darken the appropriate circle.

Sr. No. 26: Write PIN CODE in Rectangular boxes, one digit in one box and then darken the circles.

Sr. No. 27: STD Code and Telephone number: Contact telephone number of the candidate should be written beginning with STD code. Write one digit only in one box. Check the number for correctness. If you have a mobile phone, mobile phone number can also be given.

Sr. No. 28: Write amount paid (₹) for purchase of Form.

Sr. No. 29: Seal of the Bank/University Sale Centre/Counter should be put.

Sr. No. 30: Details of Purchase of Information Bulletin: If you have purchased the Information Bulletin with Application form through depositing a demand draft or downloaded the form and attached a demand draft then Part (a) has to be filled. If these were purchased on cash payment, then Part (b) should be filled.

Sr. No. 31: Declaration: The declaration should be signed by the candidate and the parent/guardian. Put date and place name also at specified points.

How to fill up the Admit Card

Both copies of Admit Card should be filled by the candidate and the attested photographs be pasted (with gum) in the space provided. Except for the Roll number and the Examination venue in the examination city center, all the entries are to be filled up by the candidate him/herself. The particulars supplied by the candidate in Admit Card should be got attested by the Principal of the School last attended or any Gazetted officer who should also sign at the specified place with Official Stamp.

Acknowledgement Card

Candidate should write his/her postal address and Alphabetic Code Name of City of Exam Centre. Postage stamp of ₹ 6/- should be pasted on the acknowledgement card. These should be detached from Information Bulletin and sent along with the Application to the ICAR.

Special Instructions for the Candidate Downloading the Application Form

The Application Form number shall be given by COE on the receipt of duly filled form and attached with a valid Bank Draft of requisite amount. In case the valid Bank Draft is not enclosed, form will be rejected and no correspondence will be entertained. Acknowledgement Card, duly indicating the Application No. (generated after receipt of application form), shall be sent to the candidate latest by 10th March, 2011. **Candidate should also write on the envelope that application form is downloaded and give the Bank Draft No.** In case the acknowledgement card is not received or no information of Roll No. is available on ICAR website [http:// www.icar.org.in](http://www.icar.org.in), they may contact the Controller of Examination (COE) through Telephone only after 25th March, 2011. The details of Examination Centre in a particular city may be seen against the application Sl. No.

or date of birth on ICAR website or contact the Nodal Officer of city centre two days before the date of examination. Candidate may also **contact COE on any working day between 10:00 a.m. to 5.00 p.m. on telephone in this regard.**

The filled Application Form should be thoroughly re-checked for all the entries and their correctness. **Keep a photocopy of the filled Application with you.** Without folding, put the Application, Admit Card and Acknowledgement Card in the prescribed envelope. Post these by Registered or Speed Post. Keep the receipt of the Post Office with you for future records.

Address for submitting the Application, Admit Card and Acknowledgement Card (also given on the Envelope)

Controller of Examinations (Edn.)
Education Division
Indian Council of Agricultural Research
Room No. 226, Krishi Anusandhan Bhawan-II, Pusa
NEW DELHI-110 012

TENTATIVE SCHEDULE FOR PERSONAL APPEARANCE/COUNSELING FOR THE ALLOTMENT OF SEATS TO UNIVERSITIES/INSTITUTES FOR ADMISSION TO MASTER'S DEGREE COURSES IN AGRICULTURE & ALLIED SCIENCES INCLUDING VETERINARY SCIENCE

VENUE: AP Shinde Symposium Hall
NASC Complex (ICAR)
Dev Prakash Shastri Marg
Opp. Todapur, Pusa, New Delhi - 110 012

DATE OF PERSONAL APPEARANCE/	MAJOR SUBJECT GROUP	MAJOR SUBJECT GROUP-WISE TIME FROM 9.00 AM TILL COUNSELING IS OVER
25.6.2011 Saturday	Group B	All qualified Candidates called for counseling
26.6.2011 Sunday	Group A, C	All qualified Candidates called for counseling
27.6.2011 Monday	Group D, E	All qualified Candidates called for counseling
28.6.2011 Tuesday	Group H, J, K, L, T	All qualified Candidates called for counseling
29.6.2011 Wednesday	Group M, Q, U	All qualified Candidates called for counseling
30.6.2011 Thursday	Group F, G, N, R, S	All qualified Candidates called for counseling
01.7.2011 Friday	Group P	All qualified Candidates called for counseling
02.7.2011 Saturday	Group O	All qualified Candidates called for counseling

- The above Counseling schedule is tentative and is subject to change. Any change in the venue/schedule of counseling will be communicated to the qualified candidates in counseling call letter. The information will also be available on ICAR website: <http://www.icar.org.in> at the time of declaration of result.**
- Candidates are advised to book their journey tickets to New Delhi for counseling accordingly as soon as the result is declared, and if they are declared qualified to be called for counseling.
- In case the seats are exhausted before all the candidates called for personal appearance are covered, the allocation will be stopped and the Council will not be responsible for the non-availability of seats and non-allotment to the rest of the candidates on this account.**
- Candidate will have to deposit part admission fee of ₹ 2,000/- (Rupees Two Thousand only) in Cash and also the original certificates to the Registrar of the University as soon as the seat is allocated on the day of Counseling.** Candidate is advised to take the receipt of the deposits as well as enquire about the date of reporting for registration at the Agricultural University from the Registrar. The balance amount of fee would have to be deposited by the candidate to the University on the date of registration as prescribed by the University for the purpose. Failure to deposit part admission fee and certificates to the allocated University will forfeit his/her claim for admission. Reserved category candidates must produce the required certificates in original and in the prescribed format. **Any temporary or permanent withdrawal of original certificates will be governed as per the concerned University rules. ICAR has no objection if certificates are returned to the candidate after verification.** In case of OBC candidates availing the benefits of reservation in Central Educational Institutions/Universities, the candidate will also be required to produce a Central OBC certificate issued by the competent authority and satisfy following criteria:
 - Sub-caste must tally with the Central list of OBC.
 - Candidate should not belong to creamy layer.

The proof of non-creamy layer and three years income tax returns of their parents shall be verified by the University authority before their admission (Original certificates have to be produced). Therefore, candidates while coming for counseling need to bring with them all the above required documents in original as well as photocopies thereof along with part fee in cash and counseling intimation issued by the ICAR. The counseling of OBC candidates will be done along with the candidates of general category at their overall merit rank for reserved seats as applicable at the time of counseling in the Central Educational Institutions/Universities.

Candidate should note that after allotment of the seat, no refund of part fee will be made in case he/she withdraws admission for any reason.

- For candidates having B.Sc. three-year degree programme, there are only few seats available. These get filled at higher ranks. ICAR will not be able to recommend admission to remaining candidates even if called for counseling to the refusing Universities in view of 4 years UG degree being an essential requirement in most programmes.

**ALL INDIA ENTRANCE EXAMINATION FOR ADMISSION TO
MASTER'S DEGREE PROGRAMMES OF AGRICULTURAL UNIVERSITIES AND ICAR'S JRF 2011–12**

**DATE OF EXAMINATION:- SUNDAY, THE 17TH APRIL 2011
OMR ANSWER SHEET-SIDE 1 (SPECIMEN COPY)**

INSTRUCTIONS FOR FILLING SIDE - I

1. Full Name (IN CAPITALS)			
2. Father's Name (IN CAPITALS)			
3. Roll No. <input type="text"/>	4. City of Exam Center (Code No.) <input type="text"/>	5. Question Booklet Serial No. <input type="text"/>	6. Date of Exam <input type="text" value="17<sup>th</sup> April 2011"/>

INSTRUCTIONS FOR FILLING SIDE – I

- I. Write all information under serial nos. 1-5 including your full name as it appears in the application form. Write in capital letters with a black ball-point pen only.
- II. Put your signature in column number 7 with a black ball-point pen only. If Answer Sheet is not signed, it would be rejected. Candidate's signature must tally with the signature in the application form. If the signature does not tally, the candidate will be disqualified, and will be declared failed.
- III. The invigilator will sign with black ball-point pen only.

INSTRUCTIONS FOR FILLING SIDE – II

- I. Information at serial No. 7-10 of SIDE-II is to be filled by HB pencil/black ball-point pen only. Darken only one appropriate circle in each of the serial Nos. 7-10. For serial No. 10, darken correct answer with HB pencil/black ball-point pen only.
- II. Fill the circle completely and uniformly.
- III. Darken only ONE circle for each question as shown in the example below. If you darken more than one circles, your answer will be treated as wrong. Incorrect marking will also be taken as wrong answer.
- IV. In case you have opted to answer with HB pencil and if you wish to change an answer, ERASE completely the already darkened Circle and then make a fresh mark. Candidates using black ball-point pen are not allowed to change the answer once shaded/darkened.
- V. Make marks only in the space provided. Please do not make any stray mark on the answer sheet.
- VI. Rough work MUST NOT be done on the OMR answer sheet. Use your question booklet for this purpose.
- VII. Mark your answer only in the appropriate space against the number corresponding to the question you are answering.
- VIII. **INSTRUCTIONS FOR MAKING ANSWERS**

Question 1 to 150 are multiple choice, darken only one circle out of the four. Question 151 to 160 are of cross matching type, darken the circle matching between the two columns.

Example for multiple choice type

(1–150)

Q. Chennai is the capital of:

A. Uttranchal, B. Punjab, C. Chattisgarh, D. Tamil nadu

SIGNATURE OF THE CANDIDATE
By ball point pen only

Example for cross matching type

(151–160)

Sub-question (i) to (v) on left hand

columns to be matched with answers from (A) to (E) in right hand column.

SIGNATURE OF THE INVIGILATOR
By ball point pen only



7. MAJOR SUBJECT CODE

A L
B M
C N
D O
E P
F Q
G R
H S
J T
K U

8. ROLL NUMBER

0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

9. CATEGORY	
SC	①
ST	②
PH	③
UPS	④
OBC	⑤
GENERAL	⑥

10. ANSWER COLUMNS

Q.No.	ANSWER	Q.No.	ANSWER	Q.No.	ANSWER	Q.No.	ANSWER	Q.No.	ANSWER
1	a b c d	31	a b c d	61	a b c d	91	a b c d	121	a b c d
2	a b c d	32	a b c d	62	a b c d	92	a b c d	122	a b c d
3	a b c d	33	a b c d	63	a b c d	93	a b c d	123	a b c d
4	a b c d	34	a b c d	64	a b c d	94	a b c d	124	a b c d
5	a b c d	35	a b c d	65	a b c d	95	a b c d	125	a b c d
6	a b c d	36	a b c d	66	a b c d	96	a b c d	126	a b c d
7	a b c d	37	a b c d	67	a b c d	97	a b c d	127	a b c d
8	a b c d	38	a b c d	68	a b c d	98	a b c d	128	a b c d
9	a b c d	39	a b c d	69	a b c d	99	a b c d	129	a b c d
10	a b c d	40	a b c d	70	a b c d	100	a b c d	130	a b c d
11	a b c d	41	a b c d	71	a b c d	101	a b c d	131	a b c d
12	a b c d	42	a b c d	72	a b c d	102	a b c d	132	a b c d
13	a b c d	43	a b c d	73	a b c d	103	a b c d	133	a b c d
14	a b c d	44	a b c d	74	a b c d	104	a b c d	134	a b c d
15	a b c d	45	a b c d	75	a b c d	105	a b c d	135	a b c d
16	a b c d	46	a b c d	76	a b c d	106	a b c d	136	a b c d
17	a b c d	47	a b c d	77	a b c d	107	a b c d	137	a b c d
18	a b c d	48	a b c d	78	a b c d	108	a b c d	138	a b c d
19	a b c d	49	a b c d	79	a b c d	109	a b c d	139	a b c d
20	a b c d	50	a b c d	80	a b c d	110	a b c d	140	a b c d
21	a b c d	51	a b c d	81	a b c d	111	a b c d	141	a b c d
22	a b c d	52	a b c d	82	a b c d	112	a b c d	142	a b c d
23	a b c d	53	a b c d	83	a b c d	113	a b c d	143	a b c d
24	a b c d	54	a b c d	84	a b c d	114	a b c d	144	a b c d
25	a b c d	55	a b c d	85	a b c d	115	a b c d	145	a b c d
26	a b c d	56	a b c d	86	a b c d	116	a b c d	146	a b c d
27	a b c d	57	a b c d	87	a b c d	117	a b c d	147	a b c d
28	a b c d	58	a b c d	88	a b c d	118	a b c d	148	a b c d
29	a b c d	59	a b c d	89	a b c d	119	a b c d	149	a b c d
30	a b c d	60	a b c d	90	a b c d	120	a b c d	150	a b c d

Q.No. 151	ANSWER	Q.No. 152	ANSWER	Q.No. 153	ANSWER	Q.No. 154	ANSWER	Q.No. 155	ANSWER
(i)	a b c d e	(i)	a b c d e	(i)	a b c d e	(i)	a b c d e	(i)	a b c d e
(ii)	a b c d e	(ii)	a b c d e	(ii)	a b c d e	(ii)	a b c d e	(ii)	a b c d e
(iii)	a b c d e	(iii)	a b c d e	(iii)	a b c d e	(iii)	a b c d e	(iii)	a b c d e
(iv)	a b c d e	(iv)	a b c d e	(iv)	a b c d e	(iv)	a b c d e	(iv)	a b c d e
(v)	a b c d e	(v)	a b c d e	(v)	a b c d e	(v)	a b c d e	(v)	a b c d e

Q.No. 156	ANSWER	Q.No. 157	ANSWER	Q.No. 158	ANSWER	Q.No. 159	ANSWER	Q.No. 160	ANSWER
(i)	a b c d e	(i)	a b c d e	(i)	a b c d e	(i)	a b c d e	(i)	a b c d e
(ii)	a b c d e	(ii)	a b c d e	(ii)	a b c d e	(ii)	a b c d e	(ii)	a b c d e
(iii)	a b c d e	(iii)	a b c d e	(iii)	a b c d e	(iii)	a b c d e	(iii)	a b c d e
(iv)	a b c d e	(iv)	a b c d e	(iv)	a b c d e	(iv)	a b c d e	(iv)	a b c d e
(v)	a b c d e	(v)	a b c d e	(v)	a b c d e	(v)	a b c d e	(v)	a b c d e



**INDIAN COUNCIL OF AGRICULTURAL RESEARCH
KRISHI ANUSANDHAN BHAWAN-II
PUSA, NEW DELHI – 110 012**

**COUNSELING PROFORMA
for Admission to Master's degree programme and ICAR-JRF(PGS) for the Session 2011-2012**

Roll No. : Major Subject Group Code : Merit Rank No. :

1. Name of candidate (in Block Letters)

2. Sex : (Male / Female) 3. Date of Birth : and Age: (age as on 31.08.2011)

4. Category : GENERAL / SCHEDULED CASTE / SCHEDULED TRIBE / OBC / PHYSICALLY HANDICAPPED / UPS
(Please tick ✓ and attach certificate in case of SC/ST/PH//OBC/UPS)

5. Father's Name :

6. Address for Correspondence.....

7. State of Domicile : 8. Nationality:

9. Year of Passing B.V.Sc./B.Sc. /B.Tech. : 10. Name of the University :

11.DETAILS OF QUALIFYING EXAMINATION WITH MARKS :

Examination Passed	Year of Passing	OGPA		% of Marks	Board / University	Duration of Degree Programme in Years (3 Yrs./ 4 Yrs./ 5 Yrs.)
		Obtained	Maximum			
High School						
10+2						
B.V.Sc. final year aggregate						

12. Date of Internship Completion, in case of B.V.Sc. :

13. Whether Employed? YES/NO. if Yes, Name of the Organization / Department :
Submitted No Objection Certificate : YES / NO

14. Subject & University of choice for admission (for each subject & University write Abbreviated form)	Subject -University	Subject -University

Note : If awarded JRF, I agree to sign the bond at the time of admission in the University to complete the degree at a stretch without any gap.

Documents : In order / Not in order

SIGNATURE OF CHECKING OFFICER

SIGNATURE OF CANDIDATE / REPRESENTATIVE

FOR OFFICE USE ONLY

Admission Granted: YES / NO

JRF AWARDED YES NO

Subject Allotted :

Under Reservation Category :

SIGNATURE OF CHAIRMAN COUSELLING COMMITTEE

Fee deposited ₹. 2,000/- Dated :

Remarks (if any)

SIGNATURE OF THE UNIVERSITY REPRESENTATIVE

On the basis of the counseling and availability of seat in the University at my rank, I
self / authorized representative accept admission in the above subject and University.

Date :

Place :

SIGNATURE OF CANDIDATE / REPRESENTATIVE

ICAR's AIEEA-PG-2011 FOR POST-GRADUATE DEGREE PROGRAMME
APPLICATION FOR ALLOTTMENT OF SEAT THROUGH WAITLIST

To
The Controller of Examinations
ICAR, KAB-II, Pusa,
New Delhi – 110 012

Wait List Serial No.

Sir,

I attended the counseling today i.e. on but due to non-availability of the subject/ University of my choice, I have not opted/allocated for a seat during the Counseling. However, in case there is any consequential vacancy arising out of non-reporting of the allocated candidates at the following Universities in the subjects indicated below, I request that I may be considered by the University for admission as waitlist candidate as per my choices indicated below: (The choices indicated by me are final and I have opted these after careful consideration).

Choice No.	Major Subject Group Code for Wait List	Name of the Specific Sub-subject of Choice at the University of Choice where admission is requested through Wait List	Any other Information
I			
II			
III			
IV			
V			
VI			

Particulars of the candidate

Name of Candidate :

Roll Number : Rank No. : Subject Code :

Subject Name : Category (Tick ✓ the category) : SC ST PH UPS OBC GEN

Seat Allotment Status : Seat allotted but not accepted/ Seat not allotted

I, Son / daughter of Shri
very well understand that I may not get the admission through the "Wait List" unless a seat is vacant at the time of registration for admission in the University concerned and I fulfill the eligibility requirements of the programme / University.

Date :

Time :

(Signature of Candidate)

Address :

.....

.....

Telephone No. with STD Code :

Mobile No. :

Major Subject Code	Sub-Subject Code	Name of the Subject	Major Subject Code	Sub-Subject Code	Name of the Subject	
A	01	Plant Biochemistry		03	Home Mgmt./Family Res. Managmt.	
	02	Plant Biotechnology & Molecular Biology		04	Clothing and Textile	
	03	Plant Physiology / Crop Physiology		05	Home Science Extn. Education	
B.	01	Plant Breeding & Genetics	N	01	Animal Biotechnology	
	02	Plant Pathology		02	Veterinary / Animal Biochemistry	
	03	Agricultural Microbiology		O	01	Veterinary Anatomy
	04	Seed Science & Technology			02	Veterinary Obst. and Gynaecology
	05	Plant Genetics Resources			03	Medicine (Clinical & Preventive)
C.	01	Agricultural Meteorology		04	Veterinary Parasitology	
	02	Soil Sci. & Agri. Chem./Soil Cons. & Water Management/SWC/Irrigation & Water Management		05	Vety. Pharmacology and Toxicology	
	03	Agricultural Physics		06.	Vety. Pathology including Wild Life	
	04	Agricultural Chemical		07	Epidemiology/Wile Life	
	05	Environmental Sciences		08	Veterinary Virology	
				09	Veterinary Immunology	
D	01	Agricultural Entomology		10	Veterinary Microbiology / Bacteriology	
	02	Nematology		11	Veterinary Surgery	
	03	Apiculture		P	12	Veterinary Public Health
	04	Sericulture			01	Animal Husb. / Anim. Sci./Dairy Science
	05	Plant Protection			02	Animal Genetics and Breeding
E	01	Agronomy/Farming System Mgmt.		03	Animal Nutrition / Feed /Fodder Technology	
	02	Tea Husbandry		04	Veterinary / Animal Physiology	
F	01	Agricultural Economics		05	Livestock Production and Management	
	02	Agril. Extn. Edn. / Comm. Develop.		06	Livestock Prod. Tech. and Meat Science	
	03	Dairy Economics		07	Poultry Science	
	04	Dairy Extension		08	Animal Husb./ Vety. Extn. Education	
G	01	Agricultural Statistics		09	Livestock/Animal husbandry/Vety. Economics	
	02	Statistics		10	Bio-Statistics	
	03	Computer Application		Q	01	Fish. Sci / Fish Hydro./Fish Env./ Fish IT/FL
	04	Bioinformatics			02	Fisheries Resources management / FPM
H	01	Horticulture		03	Inland Aquaculture Mariculture/ Freshwater culture	
	02	Vegetable Crops/Olericulture		04	Fish Processing Technology	
	03	Pomology (Fruit & Orchard crops, Mgmt of Plantation Crops, Fruit Breeding		05	Aquatic/ Fish Biology	
	04	Post Harvest Tech. of Horti. Crops		06	Fish Microbiology / Fish Pathology Post Harvest Tech. (Fisheries)	
	05	Floriculture & Landscaping		07	Fisheries Extension	
	06	Spices & Plantation Crops		08	Aquatic Environment Management	
J	01	Forest Products		09	Post Harvest Technology (Fisheries)	
	02	Silviculture		10	Fish Genetics and Biotechnology	
	03	Forestry incl. Tree Gen. Resource		11	Fish Nutrition and Biochemistry	
	04	Agro-Forestry		12	Fish Business Management	
K	01	Soil & Water Cons. Engineering	R	01	Dairy Microbiology	
	02	Irr. & Drain. Eng./Irr. & Water Mgmt .Engg.		02	Dairy Chemistry	
	03	Agri. Process & Food Engg./ PHT		S	01	Dairy Technology
	04	Farm Imp. & Mac./Farm Power Mec			02	Dairy Engineering
	05	Bio-energy incl. Ren. Energy Sources			01	Food Science and Technology
L	01	Water Science & Technology	T	01	Food Science and Technology	
M	01	Food and Nutrition	U	01	Agri-Business Management	
	02	Human Dev.& Family Stud/Child Dev.		02	Agri Marketing & Cooperation	

SPONSORSHIP CERTIFICATE

**DECLARATION BY THE EMPLOYER OF THE CANDIDATE
(FOR IN-SERVICE CANDIDATES)**

(In the case of employed (in-service) candidate, admission shall only be granted on completing this declaration in full by the Employer/Head of the Institution. It should be produced at the time of counseling).

- (i) Certified that the particulars filled by the candidate in the application form have been verified and found correct.
- (ii) The candidate will be granted deputation leave/study leave/extra ordinary leave or he/she will be given a scholarship or stipend of the value of ₹ per month. On completion of the training, he/she will be required to serve this department/institute/university for a period of years.
- (iii) If selected for admission, the candidate will be relieved to join the course on the date of start of session in the university when admitted.
- (iv) If selected for the award of or other fellowship, there will be no objection for his receiving the scholarship and contingency amounts attached thereto subject to the following conditions:
 - (a)
 - (b)
 - (c)
- (v) Certified that I am competent to take the decision to sponsor him/her on the terms and conditions mentioned above/the decision to sponsor him/her on the above terms and conditions has been taken by and is being communicated under the direction of who is the competent authority.
- (vi) This university/organization/department undertakes to pay dues outstanding against the candidate if not paid by him.
- (vii) Any other relevant information:

SIGNATURE

DESIGNATION

ADDRESS

.....

(WITH OFFICIAL SEAL)



APPLICATION FORM

ANNEXURE-XVI

ICAR's 16th ALL INDIA ENTRANCE EXAMINATION FOR ADMISSION TO MASTER DEGREE PROGRAMMES AND AWARD OF ICAR-JRF (PGS) (AIEEA-PG-2011) IN AGRICULTURE & ALLIED SUBJECTS INCLUDING VETERINARY SCIENCES FOR THE ACADEMIC SESSION 2011-2012

P.G.

Please read the Information Bulletin carefully before filling up the Application Form. Use BLACK ball point pen to fill this side of form in CAPITAL letters

Roll No. (to be filled by office)

Record No. (to be filled by office)

Application Form No.

Roll No. input box

Record No. input box

Application Form No. input box

1. CANDIDATE's NAME (in CAPITAL letters as given in Class X Certificate) (Do not write in cursive handwriting)

Name input grid

2. MOTHER's NAME (in CAPITAL letters)

Mother's Name input grid

3. FATHER's NAME (in CAPITAL letters as given in Class X Certificate)

Father's Name input grid

4-11: Choice of Exam City Center, University from where Graduated, State of Domicile, State code name, Major subject code, Date of Birth, Subject stream in UG, Major subject code no.

12. Category

Category selection box with options SC, ST, PH, UPS, OBC, GEN

13. Sex

Sex selection box with options Male, Female

15. Duration (years) of programme stream

Duration selection box with options 3, 4, 5

17. Write alphabetic code name of Exam Centre

Exam Centre code input box

20. Code no. of college from where graduated

College code selection box with options 1-10

14. Place of Residence

Place of Residence selection box with options Town, City

16. Nationality

Nationality selection box with options Indian, Others

18. Write % marks or CGPA obtained in degree exam

Percentage/CGPA input box

19. Year of passing/appearing degree exam

Year of exam input box

21. Percentage of total aggregate marks obtained

Percentage of marks input box for Class X and Class XII/Inter

22. Write Name and complete mailing address in BLOCK LETTERS using BLACK BALL PEN only. Write straight, not cursive

Address input form with fields for Name, Address, State, Pin

23. Signature of the candidate in running hand (Not in Capital Letters)

23. Signature of the candidate in running hand (Not in Capital Letters)

24. Paste one recent Passport Size photograph with gum or Fevicol

Do not PIN or STAPLE the Photograph

Photograph size 3.5 x 4.5 cm

(Not to be attested)

USE BLACK BALL POINT PEN TO DARKEN THE CIRCLES

25. ADDRESS (DO NOT WRITE YOUR NAME AND STATE. THESE WILL AUTOMATICALLY BE TAKEN UP FROM PRE-PAGE)

HOUSE NUMBER <input type="text"/>	APARTMENT/STREET/LANE/VILLAGE <input type="text"/>
--------------------------------------	---

POST OFFICE <input type="text"/>	CITY/TOWN/DISTRICT <input type="text"/>
-------------------------------------	--

26. PIN CODE <input type="text"/>	27. PHONE NUMBER STD CODE <input type="text"/> PHONE NUMBER <input type="text"/>	28. AMOUNT PAID FOR PURCHASE OF FORM Rs. <input type="text"/>	29. SEAL OF THE BANK/UNIVERSITY SALE CENTRE/COUNTER <input type="text"/>
--------------------------------------	---	--	---

30. Details of Purchase of Information Bulletin (tick mark appropriate box) (Use black ball pen): From Sale Counter By Post By Downloading

(a) By Demand Draft No. dated. Amount Rs.

(b) By cash Amount ₹.

Name of the Sale Counter with Address:

31. DECLARATION

I hereby solemnly and sincerely affirm that all the particulars stated by me in this Application Form are true and correct. I have not concealed any information. However, if any information furnished herein is fraudulent, incorrect or untrue, I understand that I am liable to criminal prosecution and I also agree to forego my admission. Further that the selection and admission to the course is liable to be cancelled at any time during the entire degree programme. I agree to abide by the Rules and Regulations governing the Examination as contained in the Information Bulletin, which I have duly studied and understood throughly.

I have fully read the information furnished by my son/daughter/ward and affirm that it is true and if it is found that the information is fraudulent, I am liable to criminal prosecution.
 Signature of the Candidate in running hand (NOT IN CAPITAL LETTERS)
 Signature of Father/Mother/Guardian* (*If father and mother not alive)
 Date:
 Place:

ACKNOWLEDGEMENT CARD

Application No.

Dated:.....

This is to acknowledge the receipt of your application for 16th All India Entrance Examination for Admission to PG Programmes and ICAR's JRF (AIEEA-PG-2011). Please quote your application number, and centre code name in all correspondence.

Centre of Exam (Code Name)

To be written by the Candidate

--	--	--

(CONTROLLER OF EXAMINATIONS)
ROOM No. 226, EXAMINATION CELL
EDUCATION DIVISION
ICAR, KRISHI ANUSANDHAN BHAVAN II
PUSA, NEW DELHI-110 012

Affix Postage
Stamp of ₹ 6.00
(to be pasted by
the candidate)

Address of the candidate
(To be written by the Candidate)

To

State : _____

PIN CODE :

--	--	--	--	--	--

(To be submitted along with Application Form positively)

Application Form No.

**INDIAN COUNCIL OF AGRICULTURAL RESEARCH
Krishi Anusandhan Bhavan-II, Pusa, New Delhi-110012**

ADMIT CARD

OFFICE COPY

**16TH ALL INDIA ENTRANCE EXAMINATION FOR ADMISSION TO MASTER DEGREE PROGRAMMES IN
AGRICULTURE AND ALLIED SCIENCE INCLUDING VETERINARY SCIENCES AND AWARD OF
ICAR-JRF (PGS) FOR THE ACADEMIC SESSION 2011-12**

Roll No:

STREAM:

Optional Subject:

Paste your recent
passport size
coloured
photographs
(3.5x4.5 cm)
To be attested by
Principal/Gazetted
Officer

Name and Address of Candidate
.....
.....
.....
.....

Date of Exam: 17.04.2011
(Sunday)
Duration: 10:00 AM to 12:30 PM
(2½ hours)
Reporting Time: 09:30 AM
No Entry After: 10:30 AM
Cannot Leave Before: 12:30 PM

Name of the Exam. City

Signature of the Candidate

Venue

Controller of Exams (Edn)

See reverse for important instructions

(To be retained by the Candidate)

Application Form No.

**INDIAN COUNCIL OF AGRICULTURAL RESEARCH
Krishi Anusandhan Bhavan-II, Pusa, New Delhi-110012**

ADMIT CARD

CANDIDATE COPY

**16TH ALL INDIA ENTRANCE EXAMINATION FOR ADMISSION TO MASTER DEGREE PROGRAMMES IN
AGRICULTURE AND ALLIED SCIENCE INCLUDING VETERINARY SCIENCES AND AWARD OF
ICAR-JRF (PGS) FOR THE ACADEMIC SESSION 2011-12**

Roll No:

STREAM:

Optional Subject:

Paste your recent
passport size
coloured
photographs
(3.5x4.5 cm)
To be attested by
Principal/Gazetted
Officer

Name and Address of Candidate
.....
.....
.....
.....

Date of Exam: 17.04.2011
(Sunday)
Duration: 10:00 AM to 12:30 PM
(2½ hours)
Reporting Time: 09:30 AM
No Entry After: 10:30 AM
Cannot Leave Before: 12:30 PM

Name of the Exam. City

Signature of the Candidate

Venue

Controller of Exams (Edn)

See reverse for important instructions

INSTRUCTIONS FOR CANDIDATES

1. This Admit Card allows admission of candidate in the examination hall subject to the condition that if ineligibility is detected at any stage, the candidature will be cancelled.
 2. Entry to the Examination Hall without Admit Card is not permitted
 3. Particulars in the Admit Card must be checked carefully. Errors, if any, must be reported immediately to the Examination cell/Nodal Officer.
 4. No paper other than Admit Card should be brought inside the examination hall. Cell phones and any pre-written material are strictly prohibited in the examination hall
 5. Bring a recent attested photograph to be handed over to the invigilator in case it is demanded. ICAR reserves all rights to verify the identity and genuineness of each candidate by any means that is considered appropriate.
 6. Bring at least one HB pencil/black ball-point pen and good quality eraser for writing/marketing/erasing responses.
 7. Do not attempt to give/obtain assistance of any kind. Any improper conduct of the candidate in the examination hall will entail forfeiture of candidature besides other legal action desirable.
 8. Impersonation or attempt to impersonate would invite forfeiture of the candidature.
 9. Any attempt to remove pages from the Question Booklet or noting down questions will result in forfeiture of candidature.
 10. Do not put stray marks on the OMR answer sheet. Change of OMR Answer sheet is not permitted. Please ensure that you do not spoil the answer sheet.
 11. To answer questions, shade/darken the corresponding circle/bubble which is most appropriate in your opinion.
 12. For each correct response, four marks will be awarded. For each incorrect response, 1 mark will be deducted. No mark will be deducted for questions not attempted. More than one answer will be taken as incorrect response.
 13. Admit Card must be preserved till the admission process at an Agriculture university is completed.
 14. Failure to comply with these instructions will entail expulsion/cancellation of candidature and may invite further legal action.
 15. The city of examination shall not be changed as filled by the candidate in the admit card and application form. The venue of examination centre and Roll No. could be seen on website www.icar.org.in or with the Nodal Officer of the same city (two days before the examination date).
-

INSTRUCTIONS FOR CANDIDATES

1. This Admit Card allows admission of candidate in the examination hall subject to the condition that if ineligibility is detected at any stage, the candidature will be cancelled.
2. Entry to the Examination Hall without Admit Card is not permitted
3. Particulars in the Admit Card must be checked carefully. Errors, if any, must be reported immediately to the Examination cell/Nodal Officer.
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12. For each correct response, four marks will be awarded. For each incorrect response, 1 mark will be deducted. No mark will be deducted for questions not attempted. More than one answer will be taken as incorrect response.
13. Admit Card must be preserved till the admission process at an Agriculture university is completed.
14. Failure to comply with these instructions will entail expulsion/cancellation of candidature and may invite further legal action.
15. The city of examination shall not be changed as filled by the candidate in the admit card and application form. The venue of examination centre and Roll No. could be seen on website www.icar.org.in or with the Nodal Officer of the same city (two days before the examination date).

USE BLACK BALL POINT PEN TO DARKEN THE CIRCLES

P.G. APPLICATION FORM NO.

[Empty box for Application Form No.]

25. ADDRESS (DO NOT WRITE YOUR NAME AND STATE. THESE WILL AUTOMATICALLY BE TAKEN UP FROM PRE-PAGE)

HOUSE NUMBER [Bubble grid for house number]	APARTMENT/STREET/LANE/VILLAGE [Bubble grid for address]
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POST OFFICE [Bubble grid for post office]	27. PHONE NUMBER STD CODE [Bubble grid] PHONE NUMBER [Bubble grid] MOBILE NUMBER [Bubble grid]
--	--

CITY/TOWN/DISTRICT [Bubble grid for city]	28. AMOUNT PAID FOR PURCHASE OF FORM Rs. [Bubble grid]	29. SEAL OF THE BANK/UNIVERSITY SALE CENTRE/COUNTER [Bubble grid for seal]
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26. PIN CODE [Bubble grid for pin code]	30. Details of Purchase of Information Bulletin (tick mark appropriate box) (Use black ball pen): From Sale Counter <input type="checkbox"/> By Post <input type="checkbox"/> By Downloading <input type="checkbox"/>
(a) By Demand Draft No. dated Amount Rs. Bank Branch Name with Address.....	(b) By cash Amount ₹ Name of the Sale Counter with Address.....

31. DECLARATION

I hereby solemnly and sincerely affirm that all the particulars stated by me in this Application Form are true and correct. I have not concealed any information. However, if any information furnished herein is fraudulent, incorrect or untrue, I understand that I am liable to criminal prosecution and I also agree to forego my admission. Further that the selection and admission to the course is liable to be cancelled at any time during the entire degree programme. I agree to abide by the Rules and Regulations governing the Examination as contained in the Information Bulletin, which I have duly studied and understood thoroughly.

Date:
I have fully read the information furnished by my son/daughter/ward and affirm that it is true and if it is found that the information is fraudulent, I am liable to criminal prosecution.
Signature of the Candidate in running hand (NOT IN CAPITAL LETTERS)
Signature of Father/Mother/Guardian (if father and mother not alive)
Place:

DIRECTIONS TO CANDIDATE

1. Day and Date of examination : Sunday, the 17th April 2011
2. Duration : 2½ hrs (10.00 AM to 12.30 PM)
3. (a) Before mailing application, check that:
 - (i) Application has been signed at specified places on the Form.
 - (ii) Recent clear coloured photographs (passport size) have been pasted in the space earmarked.

(b) While submitting, application may be arranged in the following order.

 - (i) Self addressed and stamped Acknowledgement Card
 - (ii) Application Form, dully filled
 - (iii) One copy of Admit Card, duly filled and attested (other copy of admit card duly filled-in must be retained by the candidate) . No. dispatch of Admit Card shall be made separately.

After third week of March 2010, Admit Card information in respect of Roll Number allotted and the Venue of Examination assigned would be downloadable from the ICAR website: <http://www.icar.org.in> by providing the Application Number and/or Date of Birth. A copy of Admit card retained by the candidate is to be filled by the candidate him/herself and it should be attested by Head/Principal of the College last attended/Gazetted Officers. Candidate must preserve the Admit Card till allotment of seat at College/ University.

4. Incomplete applications will be rejected.
5. Application is to be dispatched by Registered Post well in advance so as to reach on or before 15.02.2011 from non-remote areas whereas the date for remote areas is 22.02.2011.
6. Candidates are advised to retain a photocopy of the Application for their personal record. It may be used at any time in support of having submitted application and also retain a copy of Post Office receipt for dispatch through Registered Post or Speed Post. Without these papers, the Candidate shall not be allowed to appear in the Examination, in the absence of Admit Card.
7. Ragging in any form inside or outside the campuses is strictly prohibited.
8. Use or attempt to use unfair means of any kind for this examination including impersonation will automatically lead to the cancellation of candidature at any stage besides taking the legal action as deemed fit.
9. Candidate is required to seek any information only as per scheduled date and time only.

Controller of Examination(Edn)
Examination Cell
Education Division
Indian Council of Agricultural Research
Room No. 216, Krishi Anusandhan Bhavan-II
Pusa, New Delhi 110 012

Contact Numbers:
Phone No: 011-25843392
25840746 (Direct)
25842270, 25841284, 25842285
Extn. 1216 & 1226
Fax: 011-25840851, 25843932