

# 6 Admission of Students

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**6.1** The Institute admits students to the Post Graduate School under five separate streams as indicated below:

- A Open competition
- B Faculty Upgradation Scheme (FUS)
- C Departmental stream (Scientific and Technical)
- D ICAR in-service nominees
- E International students

The admission policies and procedures have been prescribed by the Academic Council keeping in view the distinct needs and requirements of candidates coming from each stream. The details of these policies and procedures are as follows:

## A. OPEN COMPETITION

### 6.2 System of Admission

- (i) **M.Sc. and M.Tech. degree courses :** Entrance examination for admission to M.Sc. and M.Tech. degree courses is undertaken by the Education Division of ICAR and on the basis of merit, the ICAR finalizes the admission for 23 M.Sc. and one M.Tech. degree courses at IARI.
- (ii) **Ph.D. degree courses :** Admission to the Ph.D. courses in 22 disciplines is based on performance of candidates in the written entrance examination (70% weightage) + academic score (20% weightage) + interview (10% weightage).

Entrance examination to be conducted by the IARI will consist of one paper of three parts: Part I (General Agriculture) and Part II & III (Subject Paper). Academic score shall be calculated on the basis of percentage of marks obtained in various examinations from matric (X standard) onwards.

### 6.3 Advertisement for Ph.D. admission

**6.3.1** Applications for admission shall be through an advertisement in newspapers and the website of IARI (<http://www.iari.res.in>) every year around the first/second week of March. The last date for receipt of applications shall generally be last week of April every year or a date as may be specified from time to time.

**6.3.2** The applications from employees of Universities (including institutions deemed to be Universities), Central or State Govt. Departments/ Undertakings, Statutory Organisations and other Public Institutions, shall be entertained upto the last date prescribed for receipt of marks sheets (vide Para 6.9.7) provided the application is complete in all respects and has been submitted to the applicant's employer before the last date prescribed for receipt of applications, and has been forwarded by such employer officially.

*Note:*

- (i) The last date of receipt of applications from candidates from Andaman & Nicobar Islands, Lakshadweep, State/Union Territories in the North-Eastern Region, Ladakh Division of J&K State, Sikkim, and Pangi Sub-division of Chamba, Lahaul & Spiti district of Himachal Pradesh shall generally be 15 days later than for those from all other parts of the country.
- (ii) Only the applications/mark sheets, received by post in the first morning dak in the Post Graduate School Office on the working day immediately following the last date prescribed for receipt of such applications/mark sheets will be entertained in relaxation of the prescribed last date as a matter of grace.

## 6.4 Number of Seats

The number of seats earmarked for an academic year for admission to the various disciplines/specialisations, both for M.Sc./M.Tech. and Ph.D., shall be decided each year by the Academic Council. The number of seats shall be published in the Information Bulletin for the concerned year.

## 6.5 Reservation for Scheduled Castes/ Tribes/ Other Backward Classes and Physically Challenged / Differentially abled candidates

**6.5.1** Fifteen per cent of the total available seats shall be reserved for Scheduled Castes (SC), seven and a half per cent for Scheduled Tribes (ST) and upto twenty seven per cent (as may be decided by the Academic Council) for Other Backward Classes (OBC) candidates subject to their being otherwise suitable. At the time of finalization of allocation of seats, the seats to be reserved for Scheduled Castes /Scheduled Tribes/Other Backward Classes shall be identified and ear-marked discipline-wise and sub-discipline-wise, if any and shall be notified in the Information Bulletin. The seats earmarked for Scheduled Castes shall be filled as per the distribution decided by the Academic Council for the year. However, in the event of there being no eligible suitable Scheduled Caste candidates in the earmarked discipline such unfilled seats shall be transferred to other disciplines, where eligible suitable Scheduled Caste candidates are available for filling these seats. An identical procedure as above will be followed in the case of Scheduled Tribe reservations also. After these two exercises, if any seat(s) still remain(s) unfilled in the Scheduled Caste and Scheduled Tribe categories respectively, such unfilled Scheduled Caste/Scheduled Tribe seat(s) shall be transferred to Scheduled Tribe/Scheduled Caste category and filled-up by the available eligible candidate(s) in the concerned category. Under no circumstances, the Scheduled Caste and Scheduled Tribe seats shall be transferable from M.Sc./M.Tech. to Ph.D. programme and vice-versa. The Scheduled Caste/Tribe candidates who are selected for admission on the basis of merit may not be counted against the reserved quota and there is no maximum limit

on the admission of the candidates belonging to the two-categories.

**6.5.2** If Scheduled Caste/Tribe candidates have been called and have appeared for written test and interview, the seats reserved for the two categories as per the particular year's Information Bulletin shall be kept vacant and not dereserved, even if none of the Scheduled Caste/Tribe candidates qualify for admission in that academic year.

**6.5.3** Three per cent of the total number of seats in each scheme of admission open to Indian nationals, namely, General (Open competition), Departmental, Faculty Upgradation Scheme and ICAR In-Service Nominees Scheme are reserved for Physically Challenged (PC) candidates subject to their being otherwise suitable on the basis of merit irrespective of the categories. In case, no physically handicapped candidates are available, these seats will be filled-up from among general category candidates. The extent of reservation for physically challenged candidates will be as per the Government of India guidelines in the year of admission.

## 6.6 Eligibility for M.Sc./M.Tech./ Ph.D. Courses

For the M.Sc./M.Tech. (Agricultural Engineering only) Courses:

As prescribed by the ICAR.

**6.6.1** Only those candidates who had their Bachelor's Degree Programmes under 10+2+4 OR 10+2+3 OR 10+1+4 system (OR awarded B.Sc. degree under 10+2+2 system prior to 1985) and fulfill the qualifications as prescribed in the Information Bulletin are eligible to apply for admission.

**6.6.2** The eligibility requirements and other allied matters relating to admission to the Post Graduate School shall be decided by the Academic Council from time to time. The eligibility requirements are subject to change. Normally these are considered and approved by the Academic Council while finalising the admission policy prior to conducting the entrance examination for each academic session. The details are given in the Information Bulletin while inviting applications for each academic session.

6.6.3 (i) The candidates must satisfy one of the qualifications as indicated against the relevant course of M.Sc./M.Tech. degree

programme and discipline to which admission is sought.

**Qualification for admission to M.Sc./M.Tech. degree programme**

Discipline	Qualifications
1. Agricultural Chemicals	B.Sc. or B.Sc. in Agriculture / Horticulture / Forestry.
2. Agricultural Economics	B.Sc. in Agriculture / Dairy Science / Veterinary Science / Animal Husbandry / Fisheries.
3. Agricultural Engineering	B.Sc. in Agricultural Engineering / B.Tech. / B.E.
4. Agricultural Extension	B.Sc. in Agriculture / Dairy Science / Veterinary Science / Animal Husbandry / Fisheries.
5. Agricultural Physics	B.Sc. or B.Sc. in Agriculture / Horticulture.
6. Agricultural Statistics	B.Sc. or B.Sc. in Agriculture / Horticulture / Forestry / Agroforestry / Sericulture / Agricultural Market.
7. Agronomy	B.Sc. in Agriculture.
8. Biochemistry	B.Sc. or B.Sc. in Agriculture / Horticulture.
9. Bioinformatics	B.Sc. in any discipline of Science.
10. Computer Application	Agriculture / Computer Science/ Agricultural Engineering/B.Sc. (Hort)/ Veterinary Sciences/ Home Science/ B.Sc. Forestry/ B.Sc. with Math/ Statistics/ Physics/ Biology
11. Entomology	B.Sc. or B.Sc. in Agriculture / Horticulture / Forestry / Agroforestry / Sericulture.
12. Environmental Sciences	B.Sc. or B.Sc. in Agriculture / Horticulture / Forestry / Agricultural Engineering.
13. Genetics	B.Sc. or B.Sc. in Agriculture / Horticulture / Forestry.
14. Horticulture	B.Sc. in Agriculture / Horticulture.
15. Microbiology	B.Sc. or B.Sc. in Agriculture/ Microbiology / Horticulture.
16. Molecular Biology and Biotechnology	B.Sc. or B.Sc. in Agriculture / Horticulture / Forestry / Sericulture / Biotechnology.
17. Nematology	B.Sc. or B.Sc. in Agriculture / Horticulture / Forestry.
18. Plant Genetic Resources	B.Sc. or B.Sc. in Agriculture / Horticulture / Forestry.
19. Plant Pathology	B.Sc. or B.Sc. in Agriculture / Horticulture / Forestry.
20. Plant Physiology	B.Sc. or B.Sc. in Agriculture / Horticulture.
21. Post Harvest Technology	B.Sc. in Agriculture / Horticulture / Food Science / Food Science and Technology / B. Tech. / B.E. in Agricultural Engineering / Food Engineering / Biochemical Engineering / Chemical Engineering.
22. Seed Science and Technology	B.Sc. or B.Sc. in Agriculture / Horticulture / Forestry.
23. Soil Science and Agricultural Chemistry	B.Sc. or B.Sc. in Agriculture / Horticulture.
24. Water Science and Technology	B.Sc. in Agriculture / Horticulture / Agricultural Engineering / B.Tech. / B.E. (Agril. Engineernig).

For the Ph.D. Courses:

Candidates must have obtained at least 60% marks OR an Overall Grade Point Average (OGPA) of 7.50 out of 10.00 OR 3.75 out of 5.00 OR 3.00 out of 4.00 OR 2.25 out of 3.00 (For SC/ST/PC candidates: 55% marks OR OGPA of 7.00 out of 10.00 OR 3.50 out of 5.00 OR 2.80

out of 4.00 OR 2.10 out of 3.00) in M.Sc. / M.Tech. degree programme. In no case conversion of OGPA in to percentage will be considered for calculation of marks where the OGPA is awarded.

**6.6.4** The candidates must satisfy one of the qualifications as indicated against the relevant course of Ph.D. degree programme and discipline to which admission is sought.

### Qualification for admission to Ph.D. degree programme

Discipline	M.Sc./M.Sc.(Agri.)/M.Tech./M.E. in
1. Agricultural Chemicals	Agricultural Chemicals / Soil Science and Agricultural Chemistry / Environmental Science/ Chemistry.
2. Agricultural Economics	Agricultural Economics / Dairy Economics / Livestock Economics/ Agricultural Marketing and Cooperation.
3. Agricultural Engineering	Agricultural Engineering / Dairy Engineering / Water Science and Technology; M.Sc. in Dairy Engineering are eligible for Ph.D. in Agricultural Processing and Structures (Pre-requisite; B.Sc./B.Tech./ BE in Agricultural Engineering.
4. Agricultural Extension	Agricultural Extension / Extension Education / Dairy Extension / Fishery Extension / Livestock Extension.
5. Agricultural Physics	Agricultural Physics / Soil Science / Agricultural Chemistry / Agricultural Meteorology / Meteorology / Agricultural Engineering / Engineering / Physics / Bio-physics / Water Science and Technology.
6. Agricultural Statistics	Agricultural Statistics / Statistics / Mathematical Statistics / Bio-Statistics of IVRI / Professional Statisticians' Certificate Course (PSCC) from IASRI.
7. Agronomy	Agronomy / Water Science and Technology.
8. Biochemistry	Agricultural Biochemistry / Biochemistry / Agricultural Chemistry / Molecular Biology and/OR Biotechnology/ Life Sciences/ Chemistry with specialization in Organic Chemistry.
9. Entomology	Entomology / Agricultural Entomology / Zoology or Plant Protection with Entomology as specialization / Life Sciences.
10. Environmental Sciences	Environmental Sciences / Physical Sciences / Biological Sciences / Chemistry / any branch of Agricultural Sciences / Life Sciences.
11. Genetics	Genetics and/OR Plant Breeding / Plant Genetic Resources / any other branch of Plant Sciences with Genetics and/OR Plant Breeding as a subject.
12. Horticulture	Horticulture or Agriculture with major in Fruit Science / Vegetable Science /Floriculture and Landscape Architecture/ Post Harvest Technology of Horticultural Crops / Food Science and/OR Technology / Genetics and/OR Plant Breeding / Plant Genetic Resources / Plant Physiology / Crop Physiology with specialization in any of above sub-discipline of Horticulture / Physiology/ Water Science and Technology.

13. Microbiology	Microbiology / Agricultural Microbiology / Soil Science and/OR Agricultural Chemistry / Genetics / Botany / Agricultural Botany / Molecular Biology and/OR Biotechnology / Life Sciences / Biochemistry with Microbiology as a special subject.
14. Molecular Biology and Biotechnology	Molecular Biology and/OR Biotechnology / Biochemistry / Agricultural Biochemistry / Botany / Agricultural Botany / Genetics and/OR Plant Breeding / Life Sciences /Microbiology / Agricultural Microbiology / Plant Genetic Resources.
15. Nematology	Nematology / Entomology / Zoology / Botany /Mycology and/OR Plant Pathology / Life Sciences / Molecular Biology and / OR Biotechnology / Plant Protection with Nematology as specialization.
16. Plant Genetic Resources	Plant Genetic Resources/ Plant Breeding / Agricultural Botany / Horticulture/ Plant Biotechnology/ Seed Science and Technology / Plant Physiology / any other branch of Biological Sciences with specialization in these subjects and/OR Plant Taxonomy / Economic Botany.
17. Plant Pathology	Mycology and/OR Plant Pathology / Botany /Agricultural Botany / Molecular Biology and/OR Biotechnology / Genetics / Microbiology / Seed Science and Technology / Biochemistry / Plant Genetic Resources / Plant Protection / Life Sciences with Mycology and Plant Pathology as specialization.
18. Plant Physiology	Plant Physiology / Crop Physiology / Botany /Agricultural Botany / Biochemistry / Life Sciences /Molecular Biology and/OR Biotechnology / Plant Genetic Resources.
19. Post Harvest Technology	a) For Post Harvest Technology of Horticultural Crops Horticulture/ Post Harvest Technology/Food Science and Technology b) For Post Harvest Engineering and Technology Agricultural Processing and Structures / Food Engineering / Post Harvest Engineering / Biochemical Engineering.
20. Seed Science and Technology	Seed Science and Technology / Genetics and/OR Plant Breeding / Plant Physiology / Crop Physiology /Mycology and/OR Plant Pathology / Entomology / Nematology / Botany / Agricultural Botany / Plant Genetic Resources.
21. Soil Science and Agricultural Chemistry	Soil Science and/OR Agricultural Chemistry /Chemistry / Agricultural Physics with specialization in Soil Physics / Environmental Sciences with specialization in Soil Science.
22. Water Science and Technology	Water Science and Technology / Agricultural Physics / Physics / Chemistry / Mathematics (with Physical Sciences at Bachelor Degree level) / M. Tech. in Agricultural Engineering / Civil Engineering.

**6.6.5** A good knowledge of English is essential.

**6.6.6** All non-agricultural graduates will have to complete prescribed course of 36 credits in Introductory Agriculture before they are permitted to take regular courses and qualify for the degree.

The candidates, who do not possess B.Sc. (Agriculture), B.Sc. (Horticulture) or B.Sc./B.Tech. in Agricultural Engineering shall have to successfully complete the prescribed courses of 36 credits on Introductory Agriculture in the first

year of the three year programme of M.Sc. / M.Tech. Similarly the candidates, who have not been exposed to subjects of agriculture in their Master's degree programme shall have to take prescribed courses on Introductory Agriculture (of 36 credits) in the first year of their Ph.D. programme.

## **6.7 Recognition of Universities Degrees**

Degrees of all statutory universities and institutions deemed to be universities shall be recognised by the Institute for purpose of admission to higher courses of study at this Institute on a reciprocal basis.

## **6.8 Age Limit**

The minimum age limit for admission to Ph.D. shall be 21 years. The age shall be reckoned as on 31<sup>st</sup> July of the year of admission and no further relaxation will be given to the candidates.

## **6.9 Procedure for Application**

**6.9.1** Applications for admission shall be made in the prescribed form and Information Bulletin can be obtained:

- (i) By sending a crossed Demand Draft for ₹ 575/- drawn in favour of the Registrar, Post Graduate School, Indian Agricultural Research Institute, New Delhi 110 012, along with a written request for the application form and the Information Bulletin clearly indicating the full and legible address of the candidate.
- (ii) In person from Syndicate Bank, Pusa Campus by making a payment of ₹ 500/- (₹ 250/- for SC/ST/PC candidates plus the charges prescribed by the Bank).
- (iii) Candidates may download the Information Bulletin, Admit Cards, Application Form and Acknowledgement Card from the Institute website: <http://www.iari.res.in>. In this case, a Demand Draft of ₹ 500/- (for General/OBC category) and ₹ 250/- (for SC/ST/PC category) is required to be enclosed along with the Application Form.

The charges mentioned above are subject to review and change from time to time.

**6.9.2** A candidate can apply for admission to one subject (discipline) only.

**6.9.3** The candidate must in his/her own interest fill-up the Application Form most carefully and accurately. Incomplete application shall not be considered and may be rejected outright.

**6.9.4** All correspondence for admission should be addressed to the Registrar, Post Graduate School, Indian Agricultural Research Institute, New Delhi 110 012. Each application form shall bear a serial number. This number and also the programme (M.Sc./M.Tech./Ph.D.) and the discipline to which the admission is sought must be quoted in all correspondences regarding admission to this School.

**6.9.5** Candidates who are in employment must submit their applications through proper channel. No advance copies shall be considered.

**6.9.6** Sponsorship: An employee is considered as a sponsored candidate, if he/she is sponsored for admission at this Institute under the terms of deputation leave, study leave, extraordinary leave or under grant of a scholarship/ stipend/any other financial assistance and is bound under the terms of the sponsorship to return to the sponsoring Institution after the training. An employee permitted by the employer to pursue post-graduate studies at this School at his/her own expenses on the understanding that he/she, if admitted, would have to resign the employment, shall not be treated as sponsored candidate.

**6.9.7** All applications as also the acknowledgement cards (duly stamped) filled in legibly and correctly in applicant's own handwriting should be forwarded, along with the accompanying set of documents completed in all respects so as to reach the Registrar, Post Graduate School, Indian Agricultural Research Institute, New Delhi 110 012 on or before the last date notified. Postal delay shall not be accepted as a plea to entertain applications after the last date.

**6.9.8** In case a candidate has appeared for the degree examination and the result has not been announced in time for submission of the application by the last date prescribed, the application may still be completed in all respects,

except the academic record, and submitted so as to reach the Registrar by the due date. Information with regard to the academic record shall then be furnished as soon as it becomes available in duplicate. However, this information must reach the Registrar by the date to be notified each year. Postal delay cannot be accepted as a plea to entertain this information beyond this date.

**6.9.9** Application of candidates from an University that follows the course-credit system, shall be considered even if the final *viva-voce* is yet to be completed. A full transcript showing the grade point average should be enclosed along with a Course Completion Certificate issued by the Registrar / Head of the College, Dean/Associate Dean of multi-campus Universities is mandatory. The certificate issued in this regard by the Head of Department or issued by any other officer will not be entertained. However, at the time of interview a certificate shall have to be produced from the Registrar of the University/Head of the College, Dean/Associate Dean of the campus of multi-campus Universities stating clearly that the candidate has passed the last degree examination, failing which the candidate shall not be interviewed.

**6.9.10** Notwithstanding anything contained in Para 6.9.9, candidates pursuing M.Sc./M.Tech. while applying for admission to Ph.D. are eligible to appear in the Ph.D. entrance examination and interview subject to completion of final *viva-voce* examination, completion of all course work and submission of his/her thesis. Such a candidate, if included in the regular Merit /Waiting List, may be conditionally granted admission to Ph.D. during the validity period of the Merit/Waiting list with the approval of the Chairman of the Academic Council upon completion of the *viva-voce*. Where the final *viva-voce* examination is held after the commencement of the new academic session and the student may be admitted only if:

- (i) the student thesis was submitted by the date specifically prescribed for the purpose, and
- (ii) the delay in the holding of the final *viva-voce* examination is not attributable in any way to candidate concerned.

**6.9.11** At the time of interview, it is mandatory for the candidate to produce the following certificates in original along with the attested copies:

- (a) Proof of date of birth.
- (b) Matriculation (10<sup>th</sup>) or equivalent certificate and mark sheet.
- (c) Higher Secondary examination certificate mark sheet, if applicable.
- (d) Intermediate (12<sup>th</sup>) examination certificate and mark sheet, if applicable.
- (e) Bachelor's degree certificate and mark sheet.
- (f) Master's degree certificate and mark sheet.
- (g) Course Completion Certificate is required for candidates from a university following the course-credit system. This certificate should be issued by the Registrar/ Principal of the College, Dean/Associate Dean (Certificate from officials other than those four mentioned above shall not be entertained).
- (h) Scheduled Caste, Scheduled Tribe, Other Backward Classes and Physically Handicapped certificates (whichever is applicable) in the proforma (as given in the Information Bulletin) from District Magistrate or the authorities empowered to issue such certificate of verification should be issued not more than six months before the date of application.
- (i) If employed, documentary evidence of continuous employment from employer(s).
- (j) One recent passport size photograph to be affixed in the space provided on the application form and another on the Reference Card.

**6.9.12** Production of original certificates and mark sheets at the time of interview and enrolment is an essential requirement and is not relaxable in any case under any circumstance.

**6.9.13** If any document submitted by the candidate is found to be false at any stage during his/her study at IARI, his/her admission shall be cancelled.

## 6.10 Scrutiny of Applications

**6.10.1** The application forms of Ph.D. candidates shall be entered in the computer database on the day of receipt.

**6.10.2** The application shall be scrutinised by the Professor of the respective discipline for eligibility and prescribed qualifications. Ineligible applications shall be rejected.

## 6.11 Entrance Examination

**Ph.D. degree courses :** Admission to the Ph.D. courses shall be based on performance in the entrance examination that has a weightage of 70%.

### 6.11.1 Written Examination

- (a) Candidates to be called for the written examination shall have a minimum qualification prescribed for the purpose.
- (b) Eligible candidates will be informed of the date, time and venue of written test through Admit Card under certificate of posting duly signed by and bearing the official stamp of the Registrar of the Post Graduate School of this Institute.
- (c) In case there is any change in the date of examination due to any unforeseen reasons, the final date will be indicated in the written test call letter.
- (d) The entrance examination will consist of one paper of three parts: Part-I (General Agriculture) and Parts II & III (Subject Paper). The minimum qualifying mark is 50% for General / OBC (45% for SC/ST/PC candidates). Total marks would be considered for the preparation of merit. The weightage for entrance examination is 70%.
- (e) The written examination papers will be evaluated in the manner decided by the Dean. The score of the written test will be determined according to the weightage assigned to the entrance examination.

**6.11.2 Academic attainments (Record):** Weightage for academic attainments [High School (10<sup>th</sup> standard) to terminal degree] is 20%.

### 6.11.3 Interview of candidates

- (i) A discipline-wise merit list shall be prepared based on the candidate's performance in the

written test. For reserved category candidates, the merit list shall be prepared separately for each discipline. Candidates, in order of merit in the written test in each discipline, shall be called for interview in the ratio limited to 1:4 (No. of seats: No. of students called for interview). The weightage of interview is 10%.

- (ii) The candidate called for interview shall have to appear before an Interview Board constituted by the Chairman of the Academic Council for each discipline. The interview will be held in the respective Divisions at IARI, IASRI, NBPGR and NRCPB, New Delhi. Each candidate shall be interviewed separately.

The Interview Board shall consist of the concerned Head of the Divisions; the concerned Professor; and 3 faculty members including two from outside the concerned discipline. The Dean & Joint Director (Education) with the approval of the Director, IARI shall nominate the members of the respective Interview Boards.

- (iii) No candidate shall be interviewed unless the original certificates, mark sheets, etc. are checked by the Post Graduate School office at least one day before the interview date. However, in cases where the original mark sheet indicates clearly that the candidate has passed the concerned examination, the candidate can be interviewed even if the original degree certificate has not been produced. In case a candidate has already submitted an attested copy of mark sheet of the qualifying examination issued by the Registrar of the University concerned but is unable to produce the original at the interview on the plea that the mark sheet had been submitted to another university, he/she may be allowed to appear in the interview but, if selected, his/her admission would be subject to production of original certificate by his/her. No other relaxation can be given by the Interview Board. There can be no appeal to any authority, if the candidate fails to produce the original documents prescribed except to the extent indicated herein above.



The final Thesis *viva-voce* examination must be cleared before the date of commencement of the first academic session.

**6.11.4** Candidates appearing for the entrance examination as well as for interview will have to come at their own expense and make their own stay arrangements.

**6.11.5** Invitations to the entrance examination and interview are no guarantee of admission to the Post Graduate School.

**6.11.6** The Dean will decide the manner of conducting the entrance examination and interview including all the relevant details.

**6.11.7** The academic score shall be calculated as per the ready reckoner given below:

Let Y be the total academic score based on the performance of the candidate in his/her earlier classes. We may take the academic score as a linear function of the performance of the candidates in earlier examinations. This can be given for Ph.D. candidates as :

$$Y = X_1 + 0.60 X_2 + 0.25 X_3 + 0.15 X_4$$

where Y = Total academic score

$X_1$  = Percentage of marks in M.Sc./M.Tech. examination.

$X_2$  = Percentage of marks in B.Sc. examination

$X_3$  = Percentage of marks in I.Sc. examination

$X_4$  = Percentage of marks in Matric or High School examination

If a candidate has done M.Sc./M.Tech., B.Sc. and Higher Secondary ( $X_1$ ,  $X_2$ ,  $X_3$ ), his/her academic score will be obtained as :

$$Y = X_1 + 0.60 X_2 + 0.40 X_3$$

where  $X_1$  and  $X_2$  are as above,  $X_3$  = Percentage of marks in Higher Secondary examination

If a candidate has got percentage of marks in some examination and OGPA in others, his/her score may also be obtained by suitably combining the two formulae by converting OGPA into percentage. OGPA of 4.00/4.00, 5.00/5.00 and 10.00/10.00 etc. is taken equivalent to 90% for calculation of academic score. In the percentage

mark system, maximum marks will be taken as 90% in the above formulae.

**6.11.8** The marks in the entrance examination of the candidates shall be kept confidential in the Post Graduate School office. The marks obtained in entrance examination, academic score and interview shall be totalled in the Dean's Office / Post Graduate School. On the basis of the total marks obtained by each candidate, a merit list in descending order shall be prepared in respect of all the candidates called for interview. The SC/ST/OBC/PC candidates will be shown as a distinct category and their merit shall also be shown separately.

## 6.12 Announcement of Results

**6.12.1** The marks obtained by the candidates in the final selection shall be worked out upto the second decimal place, the decimal fractions of 0.05 or above occurring at the third decimal place being rounded off upwards and those of 0.04 or below being ignored. In the case of tie, admission will be given to the candidate whose written test marks are the highest. If there is a tie in this respect also, the marks obtained by them may be extended to the third or fourth digit and admission given to the student who obtained higher marks.

**6.12.2** The minimum percentage of marks for qualifying in the entrance examination for admission shall be fifty (50%) in respect of general/OBC candidates and forty five (45%) for SC/ST/PC candidates.

**6.12.3** The final list of candidates to be admitted to the Post Graduate School on the basis of the seats allotted to each discipline shall be approved by the Academic Council and the results will be notified thereafter. The notification shall be displayed on the IARI Website and Notice Boards. Successful candidates would also be informed of their result by post.

**6.12.4** The notification announcing the names of the selected candidates for each discipline shall consist of two parts, *viz.* (a) regular list and (b) waiting list. The seats will first be offered to the qualified candidates in the order of merit upto the number of seats available in each discipline. The names of the remaining qualified candidates in the

merit list shall be kept in the waiting list in the order of merit.

**6.12.5** The seats reserved for SC/ST/OBC/PC candidates shall be offered to only SC/ST/OBC/PC candidates in the order of merit.

**6.12.6** If SC/ST/OBC/PC candidates secure a seat on their own merit in competition with general candidates, they shall not be counted against the reserved quota.

**6.12.7** The selected candidates will have to pay the prescribed fees and join the Post Graduate School by the due date notified.

**6.12.8** The Dean may, however, in exceptional cases, and in consultation with the Professor concerned, grant extension of the date of joining or permit the selected candidates to join in the II trimester, subject to the condition that this shall not involve corresponding extension of the maximum time limit for completion of studies.

**6.12.9** If the candidate does not join the Post Graduate School by the prescribed date or if no extension has been asked for and granted, the admission shall stand cancelled automatically and the seat shall be offered to the candidate in the waiting list in order of merit. This shall apply to all selected candidates including nominees of State Departments of Agriculture, Universities and other Institutions as also departmental candidates.

**6.12.10** If any new admitted student leaves the Post Graduate School/discontinues his/her studies within the validity period of the Waiting List, the seat shall be offered to the candidate in the Waiting List in order of merit. The candidate in the waiting list has to join the Post Graduate School and pay the requisite fees within seven days of the issue of the communication regarding his/ her admission.

**6.12.11** The number of seats already allocated by the Academic Council to each discipline shall in no case be increased to accommodate the candidates in the waiting list.

**6.12.12** There shall be uniformity of dates of registration for IARI M.Sc./M.Tech. students and M.Sc./M.Tech. students of other Universities selected for admission to Ph.D. degree Programmes at IARI. Accordingly, the students of other

Universities selected for Ph.D. at IARI shall be allowed for their registration upto the date of validity of the selected/waiting list of the candidates as in the case of IARI M.Sc./M.Tech. students.

**6.12.13** While admitting students of other Universities and IARI to the Ph.D. programmes, the condition of completion of minimum residential requirement prescribed by the University of the candidate for admission to Ph.D. degree programme at IARI shall apply.

**6.12.14** The validity of the select list and waiting list shall cease on the last day of August of the year of admission.

**6.12.15** The marks statement shall not be declared / issued to the candidates concerned who appear in the written test for admission to Ph.D. programme at IARI.

### **6.13 Requirements for New Students**

**6.13.1** On production of the communication intimating admission, the students shall be asked to appear for medical examination before the Medical Officer of the Institute.

**6.13.2** On receipt of satisfactory medical report and production of original certificates to the Post Graduate School for verification and on payment of the prescribed fees, an enrolment card addressed to the Professor concerned shall be given to the candidate indicating his/her roll number. On production of the enrolment card he/she will be allowed to mark attendance in the discipline, utilise library facilities and secure hostel accommodation.

**6.13.3** In order to make all fresh students fully conversant with requirements and working of the course credit system, an orientation programme shall be arranged immediately after the admission at which attendance shall be compulsory.

### **B. FACULTY UPGRADATION SCHEME**

The number of seats under the faculty upgradation scheme has been fixed at 10 so as to enable more and more scientists of State Agricultural Universities to enhance their qualifications.

## **6.14 System of Admission**

**6.14.1** The faculty upgradation scheme was introduced in the academic year 1974-75 for admission of in-service candidates from agricultural universities as part of the faculty upgradation programme. Separate guidelines have been prescribed for this stream of admission.

**6.14.2** The scheme shall cover only faculty members of Agricultural Universities and is applicable for admission to Ph.D. programme only.

**6.14.3** The quota of seats to be reserved for such category shall not exceed 10 in a particular year. This quota shall be reviewed/revised annually by the Academic Council in the light of the experience gained in a particular year. The quota shall be over and above the quota generally fixed by the Institute in respect of other categories.

**6.14.4** Fifteen per cent seats of the quota will be reserved for Scheduled Caste, 7.5% for Scheduled Tribe, upto 27% for OBC and 3% for Physically challenged candidates.

## **6.15 Eligibility**

**6.15.1** The candidate must have Master's degree in the concerned discipline and satisfy the qualifications as specified in Para 6.6.1 to 6.6.4.

**6.15.2** Candidate fulfilling the required qualification shall apply in the prescribed form as for other candidates.

**6.15.3** The candidates sponsored under this scheme should be regular employees of the University and likely to continue in service after obtaining the training. The candidates should normally be sponsored on deputation terms entitling them for full salary and allowances, and no fellowship will be awarded to them by the IARI. Those sponsored on study leave or equivalent terms will also be considered for admission under this scheme. A certificate to this effect should be given at the time of forwarding the application. The Universities sponsoring the candidate under the scheme should also certify that the candidate had not been administered, imposed or awarded penalties for any kind of misconduct. The enrolment card for these candidates shall be issued only if the deputation

orders providing for the above facilities are submitted to the Post Graduate School.

**6.15.4** Candidates shall be officially sponsored under the scheme and the application shall be sent by the concerned Agricultural University. The words, "Sponsored for admission under Faculty Upgradation Scheme", shall be clearly inscribed on the application form and the forwarding letter. Not more than three candidates sponsored by any one University shall be admitted in any one year under this scheme.

**6.15.5** The candidates shall appear in the written test and interview, of the discipline concerned for determining their eligibility. The final selection of the candidates shall be done on the basis of a merit list prepared separately for faculty upgradation scheme. The Academic Council of the IARI shall have the full discretion of allotting the seats to the universities after taking into account their special needs.

**6.15.6** Candidates selected for admission under this scheme shall report to the Post Graduate School for enrolment on the prescribed date announced at the commencement of the academic year.

**6.15.7** All the regulations contained in the Post Graduate School Calendar shall be applicable to this category of students also subject to the special provisions mentioned in Paras 6.14.1 to 6.15.6.

## **6.16 Admission of In-service Candidates from the Agricultural Universities for doing Course Work only at IARI for their Ph.D. Degree Course**

**6.16.1** Facilities for doing course work only for Ph.D. degree may be provided to staff members sponsored by the Agricultural Universities, subject to the conditions that the sponsoring Universities should certify that they do not have the requisite facilities for doctoral level teaching in the respective disciplines and the University concerned intends to strengthen its faculty in the respective area with a view to improving teaching/research programmes therein. No fellowship shall be awarded to the candidates by IARI.

**6.16.2** The studentship of the candidates of this category shall be regulated by the following terms and conditions:

- (i) The candidates will not be formally enrolled as IARI students and will be treated as trainees only.
- (ii) The Plan of Post Graduate Work (PPW) of the candidates shall be finalised by the respective Chairman at the University concerned in consultation with the concerned Professor at IARI.
- (iii) The candidates will be attached to the concerned Professor at IARI for advise in respect of their course work. There will be no Co-Chairperson at IARI.
- (iv) The candidate shall take only the specialised and advanced courses at this Institute for which facilities are not available in his/her parent University.
- (v) The transcript to be given by the University should acknowledge the courses attended by the student at IARI. This should also be acknowledged in his/her thesis.
- (vi) The concerned Professor or any other faculty member nominated by the Board of Studies of IARI shall be co-opted as a member in the qualifying examination of the candidate. TA/DA of the Professor or of the other Faculty member nominated by the Board of Studies for any journeys performed for the purpose shall be payable by the sponsoring University.
- (vii) The sponsoring University /Department will remit the salary/deputation allowance, etc., directly to the candidates.
- (viii) The IARI shall not be under any obligation to provide hostel accommodation. No family accommodation will be provided in any circumstances.
- (ix) The candidates will themselves be responsible for making payment of tuition fee and other dues in the prescribed manner with the Syndicate Bank, Pusa Branch by the prescribed dates.
- (x) The candidates admitted for course work only at IARI shall not be eligible to apply for

admission as regular candidates for Ph.D. programme in any stream at IARI.

### **C. DEPARTMENTAL STREAM**

A limited number of eligible staff members working at IARI /IASRI /NBPGR /NRCPB /DMR /DFR /NCIPM /NCAP shall be admitted as departmental students to the regular Post Graduate programmes of the Institute. The rules governing such admissions are indicated below.

The persons working in ICAR Institutes are free to enhance their qualifications by competing through open competition, if they fulfill the minimum required qualifications. The Academic Council has approved that the candidature of persons who fulfill other qualifications to compete for admission at Post Graduate School, IARI should be allowed to compete irrespective of the Institutes where they have completed their qualifying services.

### **6.17 Scientific Staff**

**6.17.1** Only the scientists, upto and including Scientists/Scientists (Senior Scale) or equivalent position who are having an M.Sc./M.Tech. degree and have satisfactorily completed period of probation and rendered not less than 5 years regular continuous service including period of probation at IARI including its Regional Research Stations as on 31<sup>st</sup> March of the year of submission of application, shall be eligible to be considered for admission to the Ph.D. course in the disciplines relating to their M.Sc./M.Tech. degree at IARI as departmental candidates provided they have already been granted, or have been assured the grant of study leave for a period of 3 years.

**6.17.2** A Scientist can compete under open stream for admission at IARI after completion of 2 years of service. However, for appearing as departmental candidate, the candidate should complete 5 years of continuous service at IARI.

### **6.18 Technical Staff**

**6.18.1** Technical staff holding posts upto the scale of ₹ 15,600-39,100 with Grade Pay of ₹ 6,600 who are science graduates and have satisfactorily completed period of probation and rendered not

less than 5 years regular continuous service including period of probation shall be eligible to apply for admission to the M.Sc./M.Tech. programme in the discipline in which they have been working at the IARI as departmental candidate.

**6.18.2** Seats reserved for technical staff shall be restricted to one seat per discipline only but the seat will be inter-transferable subject to a maximum of two seats per discipline in case of non-availability of candidates in that particular discipline.

**6.18.3** Scientific/Technical personnel, who are registered for a higher degree with an outside university will also be eligible. In case such an employee is selected for admission as a departmental candidate, an intimation to this effect will be sent by the PG School to the outside University requesting for cancellation of his/her registration with that University. A suitable column for this information will be incorporated in the application for departmental candidates.

**6.18.4** An employee of the categories indicated above shall be given the facility of admission as departmental student once, either for obtaining the M.Sc./M.Tech. or Ph.D. degree, to ensure that maximum number of employees get this facility.

## **6.19 Procedure for Fixing the Quota of Seats**

**6.19.1** The number of departmental candidates at any time in any discipline shall not exceed 20 per cent of the strength of the eligible staff of the discipline (as per admission standard prescribed), subject to a minimum of 2 seats per discipline at any one time. The eligible staff in the Regional Research Stations shall be treated as part of the discipline to which they belong.

**6.19.2** Fifteen per cent seats will be reserved for Scheduled Caste, 7.5% for Scheduled Tribe, upto 27% for OBC and 3% for Physically challenged candidates.

**6.19.3** The allocation of seats for purposes of admission of departmental candidates shall be discipline-wise with respect to the disciplines approved for teaching. Currently, this will be with respect to the 24 disciplines approved for teaching.

The eligible scientists should be categorised and listed according to the teaching disciplines and the quota of seats calculated accordingly. Every eligible scientist shall be informed about the parent discipline to which he/she belong based on academic qualifications and job requirements. He/she will be given an opportunity to express his/her views about the discipline-wise categorisation and the final decision about his/her field of discipline will be taken after considering his/her views, if any.

**6.19.4** Whenever a new teaching discipline is set up and if an employee who is also a student is transferred, he/she shall be shown against the quota of seats of the new discipline.

**6.19.5** The list of eligible employees shall include only those, who have put in 3 years' service at IARI including the Regional Research Stations as on 31st March of the year of submission of application and possess the minimum educational qualifications prescribed and indicated in Para 6.20.1 below. Those employees who have availed or are currently availing of the facility as departmental students shall not be included in the list.

**6.19.6** A seat shall be deemed to have been vacated for the purpose of admitting a fresh departmental candidate as soon as the student has successfully completed his/her qualifying examination. The qualifying examination of such of the departmental candidates as are due to vacate their seats in a particular academic year should be held by the 31st March of that year. This should be strictly adhered to and individual requests for relaxation should not be entertained under any circumstances.

## **6.20 Eligibility Standards for Application**

**6.20.1** Master's degree for admission to Ph.D. is essential. The candidate should satisfy one of the qualifications as specified in Paras 6.6.1. and 6.6.2.

**6.20.2** Weightage shall be given to the scientific/technical staff at IARI/IASRI/ NBPGR/ NRCPB/DMR/DFR/NCIPM/NCAP at the rate of 2 marks for each completed year of service limited to a maximum of 5 marks for determining their eligibility.

## **6.21 Procedure for Submission of Application, Entrance Examination and Selection**

**6.21.1** The last date for receipt of applications from the employees shall normally be the last date prescribed for receipt of applications from remote areas.

**6.21.2** The application of a departmental candidate shall be routed through the Director/ Joint Director (Administration) so that questions of grant of study leave to the applicant and the feasibility of alternative arrangements being made are clearly decided before forwardal of the application for admission.

**6.21.3** (i) A staff member shall be eligible to apply for only one subject pertaining to the parent discipline to which he/she is allocated.

(ii) At the time of submitting the application for admission the staff member should give full information about his/her establishment, specialisation, area of work, etc.

**6.21.4** (i) All those employees who fulfill the qualifications prescribed shall be eligible to be called for the written test for admission.

(ii) The minimum qualifying marks for admission in respect of General/OBC candidates, faculty upgradation scheme, ICAR nominee's scheme and under departmental quota would be 50 and that for SC/ST/PC candidates in any stream would be 45, in both cases out of 100 maximum marks.

**6.21.5** The departmental candidates seeking admission as departmental students shall be treated as a separate category. However, they will appear in written test and interview with all other categories of candidates.

**6.21.6** The Interview Board constituted for selecting full time students will also interview the staff members seeking admission under this stream.

**6.21.7** The admission of any staff member as departmental student shall automatically stand cancelled if he/she fails to join the course on the due date.

**6.21.8** A staff member not selected in a particular year shall not be debarred from consideration for admission in the next academic year in case a vacancy is available in the concerned discipline.

**6.21.9** If a departmental student is transferred or promoted during his/her studentship to another post, the Post Graduate School should be notified. A 'No Objection Certificate' should also be obtained from his/her immediate supervisory officer in his/her new post to the effect that he/she has no objection to the candidate working with his/her previous major adviser and on a research problem chosen by him/her prior to his/her transfer/promotion. This shall apply even to candidates registered with outside Universities.

**6.21.10** A candidate who has already been awarded the degree of Master of Science or Doctor of Philosophy by the IARI or by any other University/Institute shall not be granted admission to the same degree course at IARI.

## **D. ICAR IN-SERVICE NOMINEES SCHEME**

### **6.22 System of Admission**

**6.22.1** A separate stream of admission to Ph.D. degree programme has been started with effect from the academic session 1979-80 for in-service candidates of the Indian Council of Agricultural Research (ICAR). The number of seats reserved for the ICAR in-service candidates shall not exceed 5 in a particular year, and the total number of students under this stream shall not exceed 15 at any time. Only such ICAR employees who are awarded ICAR Senior Fellowship shall be eligible to apply under this stream.

**6.22.2** The persons working in ICAR Institutes are free to enhance their qualifications by competing through open competition, if they fulfill the minimum required qualifications. The ICAR Scientists who fulfill other qualifications to compete for admission at PG School, IARI should be allowed to compete irrespective of the Institutes

where they have completed their qualifying services.

**6.22.3** Fifteen per cent seats will be reserved for Scheduled Caste, 7.5% for Scheduled Tribe, upto 27% for OBC and 3% for Physically challenged candidates.

**6.22.4** The procedure prescribed for admission of candidates under the Faculty Upgradation Scheme will apply *mutatis-mutandis* to this scheme.

**6.22.5** Candidates sponsored by the ICAR will appear in the written test and interview. A single merit list will be prepared for candidates under quota of this stream.

## **E. FOREIGN STUDENTS**

In view of large number of foreign students desirous of getting admission at IARI, the Academic Council has approved 30 number of seats for admission of foreign students to the M.Sc./M.Tech./Ph.D. degree courses at IARI in an academic year.

### **6.23 System of Admission**

International students seeking admission shall forward their applications through their respective Embassies at New Delhi or through the respective Indian Missions abroad to the Government of India/ICAR and their candidature shall be considered only if they are sponsored by the Government of India/ICAR.

### **6.24 Eligibility**

Foreign students are exempted from appearing in the written test and interview. Thus admission shall be made on the scrutiny of the bio-data and on the recommendation of the Professor of the concerned discipline.

### **6.25 Procedure for Application**

**6.25.1** The last date for receipt of applications and results/mark sheets from the applicants who are foreign nationals but are resident in India will be the same as prescribed for the applicants who are Indian citizens, and the self-financing foreign students out of them will be called for the written test and interview only if they have prescribed

qualifications as for the Indian applicants for admission through the open competition stream.

**6.25.2** The application of foreign students shall be forwarded to the Professor of the concerned discipline for determining their eligibility and their admission shall be finalised without any written test. Foreign students who are already resident in India will, however, have to appear in the written test and interview. Besides, candidates mentioned in Para 6.14, those sponsored by International Organisations like the Agricultural Development Corporation, FAO, African Fellowship etc., shall also be considered for admission at IARI provided such requests are received through the ICAR/DARE.

Their cases shall also be considered along with other regular students without giving them any concession in minimum marks but they shall be exempted from appearing in the written test and interview.

**6.25.3** Foreign students should arrive in New Delhi one week before the onset of the academic session to acquaint themselves with the operation of the Post Graduate School and with the city of Delhi and to attend the orientation programme. They should contact the Foreign Students' Adviser upon their arrival for obtaining guidance concerning registration procedure, campus location and all other matters except those of a strictly academic nature for which they should contact Registrar, Post Graduate School, IARI.

### **6.26 Online Registration of Students in Each Trimester**

**6.26.1** Every student enrolled shall be required to register online at the beginning of each trimester, on a date pre-determined, till the completion of his/her degree requirements unless otherwise permitted by the Dean, failing which his/her enrolment shall be cancelled. Re-admission in such cases shall be on application and not as a matter of right.

Registration shall consist of the following steps:

- (a) Filling-up the roster cum-registration forms online for courses to be offered in that trimester. (Annexure III).

- (b) Submission of progress report online for the preceding trimester. (Annexure IV) (To be submitted to the Post Graduate School by the Professor of the discipline concerned).
- (c) Payment of the fees and other dues to the Post Graduate School in time.

**6.26.2** Online registration for the first trimester of the academic year for fresh students is a part of the admission procedure and shall be governed by the admission rules. Online registration in respect of continuing students in such trimester shall however be completed at least three days before the commencement of each trimester and the classes shall commence thereafter.

**6.26.3** The registration of continuing students shall not be permitted later than 7 days from the date of commencement of the trimester unless allowed

by the Dean as a special case. If during the registration days, a student is required to be outside the Institute campus on the basis of prior permission, in connection with the duties, field work, research work or due to other unavoidable and legitimate circumstances, he/she may be permitted by the necessary registration forms and fees.

**6.26.4** A continuing student who does not register on the notified date shall be required to pay a late fee of ₹ 400/- up to the period of 7 days. After this the permission of Dean will be required for his/her registration.

**6.26.5** A student may be exempted from the payment of late registration fee by the Dean where he is convinced that the student is late due to circumstances beyond his/her control.