

3. Eligibility criteria for admission to the Ph.D. Programme:

Subject to the conditions stipulated in these Regulations, the following persons are eligible to seek admission to the Ph.D. programme

- 3.1. Candidates for admission to the Ph.D. programme shall have a Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.
- 3.2 A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, is allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled and other categories of candidates as per the decision of the Commission from time to time, or for those who had obtained their Master's degree prior to 19th September, 1991. The eligibility marks of 55% (or an equivalent grade in a point scale wherever grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible based only on the qualifying marks without including the grace mark procedures.
- 3.3 A candidate who meets the requirement mentioned above may select a field of study out of disciplines given below to pursue **Ph.D. to be awarded in Forestry only:-**

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Sl. No.	Discipline of study)	(Subject	Qualification for admission in doctoral program
1.	Silviculture		Post-graduate degree in Forestry/Agriculture/Botany
2.	Forest Seed Tech.		Post-graduate degree in Forestry/Agriculture/Botany
3.	Forest Genetics		Post-graduate degree in Botany, Agriculture or Forestry with specialization in Genetics
4.	Forest Botany		Post-graduate degree in Botany with specialization in Systematic Botany/Plant Physiology/Wood Anatomy/Biodiversity Conservation/Ethno Botany or Post-graduate degree in Agriculture with specialization in Plant Physiology or Post-graduate degree in Forestry
5.	Forest Pathology		Post graduate degree in Botany/Forestry/Wood Science & Technology/Agriculture, with specialization in Plant Pathology/ Microbiology or Project work/dissertation in Forest Pathology/Plant Pathology Or Post graduate degree in Microbiology with specialization or Project work/ dissertation in Forest Pathology/Plant Pathology Or Post graduate degree in Plant Pathology/Mycology/Plant Pathology
6.	Forest Entomology		Post-graduate degree in Forestry or P.G. Degree in Zoology with specialization in Entomology or P.G. Degree in Agriculture with specialization in Entomology
7.	Soil Science		Post-graduate degree in Chemistry, Microbiology Geology, Soil Science or Agriculture (with specialization in Agricultural Chemistry, Soil Science)

8.	Forest Ecology & Environment	Post-graduate degree in Biological Science/ Life Science/Environmental Science/Forestry/ Marine Biology/ Environmental Engineering /Aquatic Biology Candidate must have studied ecology as one of the subjects in above Post-graduate degree courses
9.	Forest Management	Post-graduate degree in Mathematics/Statistics/Computer Application/ Forestry/Agriculture Forestry
10.	Wood Science & Technology	Post-graduate degree in Physics/Chemistry/Engineering or Botany with specialization in Wood Anatomy or Post Graduate Degree in Wood Science & Technology
11.	Chemistry of Forest Products	M.Sc. in Chemistry (preferable organic specialization), M.Sc. in Analytical Chemistry, Pharmaceutical Chemistry, Industrial Chemistry, Medicinal Chemistry, Natural Products Chemistry, Biochemistry, Agricultural Chemicals, Polymer Chemistry, MD in Pharmacology or equivalent in Indian System of Medicine, Masters in Pharmacy, M. Tech in Chemical technology/Chemical Engineering, M.Sc.(Tech) in Pharmaceutical Chemistry
12.	Pulp & Paper Technology	Post-graduate degree in Chemistry, Chemical Engineering or Paper Technology
13.	Forestry Extension	Post-graduate degree in Agriculture Extension/Forestry
14.	Non Wood Forest Products (NWFP)	Post Graduate degree in Botany/Forestry, Organic Chemistry, Agriculture with specialization in cultivation of medicinal plants, MD in Pharmacology or equivalent in Indian System of Medicine
15.	Forest Biotechnology	Post Graduate degree in Biotechnology or Post graduate degree in life sciences with specialization in Biotechnology or Post Graduate degree in Biochemistry/Molecular biology/ Microbiology
16.	Forest Bio informatics	Post Graduate degree in Bio informatics or Post graduate degree in Forestry/Botany with minimum one year PG Diploma in Bio informatics from a recognized institution or Post Graduate Degree in Computer Science or Post Graduate Degree in Information Technology or Post Graduate Degree in Maths/Physics/Statistics with P.G. Diploma in Computer Science.
17.	Environment Management	Post Graduate degree in Environment Management/ Environmental Science or M.Tech Environmental Engineering or Post Graduate degree in Chemistry with specialization in Environmental Chemistry.
18.	Wildlife Science	Post-graduate degree in Forestry/Wildlife Science/Zoology/Botany/Environmental Management or Postgraduate degree in any science subjects with recognized Postgraduate Diploma in Wildlife Management.
19.	Forest Geo-informatics	M. Tech in Remote Sensing & GIS Or Post Graduate Degree in any Science subject with Post Graduate Diploma in Remote Sensing/GIS Or Postgraduate degree in Geo-informatics Or Post Graduate Degree in any Science subject but candidate must have studied Remote Sensing-GIS as one of the paper Or Post Graduate Degree in any Science subject but candidate must have undergone minimum 6 months specialized training in Remote Sensing-GIS."
20.	Forest Hydrology	Post-Graduate Engineering Degree in Hydrology/Water Resource Engineering/Civil Engineering, Post Graduate Degree in Forestry, and Environment Management/Sciences with specialization in GIS/Remote Sensing/Watershed Management/Post Graduate Degree in Soil and Water Conservation Engineering/ Post Graduate Degree in Irrigation and drainage Engineering

21.	Plant Physiology	Post Graduate Degree in Plant Physiology, Post Graduate Degree in Botany with specialization in Plant Physiology.
22.	Application of Information Technology in Forestry	Post Graduate Degree in Forestry with at least one year P.G Diploma in Information Technology/Computer Science from recognized institution.
23.	Climate Change & Forest Influence	Post Graduate Degree in Physical Sciences/ Biological Science /Life Science/ Environment Science /Environment Management/Forestry/ Botany/Physics/ Chemistry/Agriculture/Climate Change/Natural Resource Management/Marine Biology/Soil Science OR M.Tech. in Remote Sensing & GIS/M.Tech. in Environmental Engineering
24.	Conservation Social Science	Masters of Science degree in Forestry/Wood Science & Technology/Environment Management/Cellulose and Paper Technology/Wildlife Sciences/Life Sciences/Bio Sciences/Sociology/Social Sciences /Geography/ Economics/Natural Resource Management/Rural Development/Physical Sciences

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6. **Allocation of Research Supervisor:** Eligibility criteria to be a Research Supervisor, Co- Supervisor, Number of Ph.D. scholars permissible per Supervisor, etc.

6.1 Any regular Scientist E, F, G and any equivalent Forest Officer working in F.R.I Deemed to be University and its Research Centers and in ICFRE Headquarter in the relevant field with a Ph.D. degree, 2 years research experience and at least five research publications in refereed journals and any regular Scientist B, C & D and any equivalent Forest Officer with a Ph.D. degree, 2 years research experience and at least two research publications in refereed journals may be recognized as Research Supervisor/Co-Supervisor.

Provided that in areas/disciplines where there is no or only a limited number of refereed journals, the Institution may relax the above condition for recognition of a person as Research Supervisor with reasons recorded in writing.

6.2 Only a full time regular Scientist and Forest Officers of the FRI Deemed to be University and its Research Centers can act as a supervisor. The external supervisors are not allowed. However, Co-Supervisor can be allowed in inter-disciplinary areas from other departments of the same institute or from other related institutions with the approval of the Research Advisory Committee.

6.3 The allocation of the Research Supervisor for a selected scholar shall be decided by the Division/Research Centres concerned in a formal manner depending on the number of scholars per Research Supervisor, the available specialization among Supervisors, and research interests of the scholars as indicated by them at the time of interview/synopsis seminar. The Head of Division/Research Centre shall ensure that the available research scholars are evenly distributed among the available scientists as per their expertise as far as practicable.

6.4 In case of topics which are of inter-disciplinary nature where the Department concerned feels that the expertise in the Department has to be supplemented from outside, the Department may appoint a Research Supervisor from the Department itself, who shall be known as the Research Supervisor, and a Co-Supervisor from outside the Department/Faculty/College/Institution on such terms and conditions as may be specified and agreed upon by the consenting Institutions/Colleges.

6.5 For registering of Ph.D. Scholars **upto a** maximum number of research scholars under different level of scientists/Forest Officers at any time is as under:

Scientist-F&G or equivalent Forest officer	6
Scientist-E or equivalent Forest officer	5
Scientist-D or equivalent Forest officer	4
Scientist-C or equivalent Forest officer	3
Scientist-B or equivalent Forest officer	1

Provided

- a. That the name of research scholars, who have submitted the thesis, should not be counted for the purpose of fixing the quota of research scholars under a Supervisor.
- b. That the Head of Division certifies that the required laboratory facilities and other infrastructure is available in the Division for accommodating the research scholar