

**ANNOUNCEMENT**  
 For  
**Ph.D. Forestry Entrance Test 2022**

The Forest Research Institute Deemed to be University is going to conduct its Ph.D. Entrance Test on 17<sup>th</sup> July, 2022 for enrolment in Ph.D. Programme in Forestry. The candidates, who are interested for registration as research scholar for the **Ph.D. Degree in Forestry** in Forest Research Institute Deemed to be University Dehradun for the term of March 2023 are advised to apply in prescribed form latest by 06.06.2022 with a fee of Rs.1500/- through Bank Draft in favour of Registrar, FRI Deemed to be University payable at Dehradun. No application form will be entertained after the prescribed date. The research centre-wise position of seats is mentioned below. The seats to reserved categories have been earmarked as per clause 5.2.3 of the Ph.D. Ordinance following 200 point roster as given in Swamy's Hand Book. Out of the published seats, 3% seats are reserved for the persons with disabilities as per clause 5.2.3(e) (i) of Ph.D. Ordinance. For eligibility please see clause 3 of the Ph.D. Ordinance available on the website and also below application form. Six-months Pre-Ph.D. Compulsory course would be conducted only once w.e.f. September 2022.

The entrance test would be held either in off line mode at different Research centres of Forest Research Institute deemed to be University or in online mode (Remote Proctored Examination) in which the candidates will appear in Entrance Test at their home. In view of present scenario and uncertainties due to COVID-19 the university has the right to cancel the entrance test and adopt alternative mode of admission in order to maintain "social distancing", safety and health of candidates. In this regard the decision of FRI Deemed to be University shall be final

**Important Dates**

- |                                     |              |
|-------------------------------------|--------------|
| 1. Last date for submission of form | : 06.06.2022 |
| 2. Date of Exam of Entrance Test    | : 17.07.2022 |

**Ph.D. Vacancies 2022**

Sl.No.	Name of the Research Centre	Discipline-wise total no. of Seats	Category wise number of seats
1.	<b>Arid Forest Research Institute, Jodhpur</b>	Forest Biotechnology-04	03-UR 01-OBC
		Forest Entomology-02	02-UR
		Forest Pathology-01	01-SC
		Forest Seed Technology-01	01-OBC
2.	<b>Forest Research Institute, Dehradun</b>	Chemistry of Forest Products-06	04-UR 01-OBC 01-ST
		Conservation Social Science-01	<b>FRCE, Prayagraj-01</b> 01-SC
		Forest Bio-Informatics-01	01-OBC
		Forest Biotechnology-03	02-UR 01-OBC
		Forest Botany-04	<b>FRI-03</b> 01-SC, 02-UR <b>FRC-ER Prayagraj-01</b> 01-OBC
		Forest Ecology & Environment-03	<b>FRI-02</b> 02-UR <b>FRC-ER Prayagraj-01</b> 01-OBC
		Forest Entomology-02	01-SC 01-ST
		Forest Genetics-03	02-UR 01-OBC
		Forest Hydrology-01	01-UR

		Forest Pathology-04	01-SC 02-UR 01-OBC
		Non Wood Forest Products-03	01-UR 01-ST 01-SC
		Pulp & Paper Technology-01	01-OBC
		Silviculture-03	<b>FRC-ER Prayagraj-03</b> 02-UR 01-OBC
		Soil Science-01	01-UR
		Wood Science & Technology-01	01-SC
3.	<b>Forest Survey of India, Dehradun</b>	Forest Geo-Informatics-01	01-UR
4.	<b>G.B. Pant Institute of Himalayan Environment &amp; Development, Almora</b>	Chemistry of Forest Products-01	01-OBC
		Climate Change & Forest Influence-01	01-UR
		Forest Biotechnology-01	01-UR
		Forest Botany-01	01-OBC
		Forest Ecology & Environment-04	01-UR 01-SC 01-ST 01-OBC
		Forest Geo-Informatics-01	01-UR
		Forest Hydrology-01	01-UR
		Soil Science-03	01-UR 01-OBC 01-SC
5.	<b>Himalayan Forest Research Institute, Shimla</b>	Forest Botany-02	01-UR 01-OBC
		Forest Ecology & Environment-01	01-UR
		Forest Entomology-01	01-UR
		Forest Genetics-01	01-UR
		Forest Pathology-02	01-OBC 01-SC
		Silviculture-01	01-ST
6.	<b>Indian Institute of Forest Management, Bhopal</b>	Conservation Social Science-05	03-UR 01-OBC 01-SC
		Environment Management-01	01-OBC
		Forest Management-03	02-UR 01-OBC
		Forestry Extension-01	01-UR
		Non-Wood Forest Products-02	01-ST 01-SC
7.	<b>Indian Plywood Industries Research &amp; Training Institute, Bangalore</b>	Chemistry of Forest Products-02	01-OBC 01-UR
		Wood Science & Technology-04	02-UR 01-OBC 01-SC
8.	<b>Institute of Forest Biodiversity, Hyderabad</b>	Forest Biotechnology-01	01-UR
		Forest Botany-01	01-OBC
		Forest Entomology-01	01-UR
		Forest Pathology-01	01-UR
9.	<b>Institute of Forest Genetics and Tree Breeding, Coimbatore</b>	Forest Bio-technology-04	01-UR 01-OBC 01-SC 01-ST
		Forest Botany-02	01-UR 01-OBC
		Forest Ecology & Environment-01	01-UR
		Forest Genetics-02	01-SC 01-OBC
		Forest Pathology-02	02-UR
		Forest Seed Technology-02	01-UR 01-OBC

10.	<b>Institute of Forest Productivity, Ranchi</b>	Forest Biotechnology-01	01-UR
		Forest Genetics-03	01-UR 01-SC 01-ST
		Forest Geo-Informatics-03	01-OBC 02-UR
11.	<b>Institute of Wood Science and Technology, Bangalore</b>	Climate Change and Forest Influence-01	01-OBC
		Forest Botany-01	01-UR
		Forest Ecology & Environment-03	01-SC 01-OBC 01-UR
		Forest Genetics-06	03-UR 01-OBC 01-ST 01-SC
		Wood Science & Technology-02	01-OBC 01-UR
12.	<b>Kerala Forest Research Institute, Kerala</b>	Forest Botany-01	01-UR
		Non-Wood Forest Products-01	01-OBC
13.	<b>Rain Forest Research Institute, Jorhat</b>	Forest Botany-03	01-SC 02-UR
		Forest Pathology-05	<b>RFRI-01</b> 01-OBC <b>FRC-BR, Mizoram-04</b> 03-UR 01-OBC
14.	<b>Tropical Forest Research Institute, Jabalpur</b>	Chemistry of Forest Products-01	01-SC
		Forest Biotechnology-01	01-ST
		Forest Genetics-03	02-UR 01-OBC
		Forest Management-01	01-SC
		Non-Wood Forest Products -01	01-OBC
		Silviculture-01	01-UR

Registrar,  
FRI Deemed to be University.  
0135-2751826, 2224495, 2224329

**Note:-**

1. The Forest Research Centre for Eco-Rehabilitation, Prayagraj (FRCE Prayagraj) is a centre of FRI Deemed to be University Dehradun. The candidates who are applying for the seats of FRCE Prayagraj are required to mention in the application form at appropriate place and their candidature will be considered for FRCE Prayagraj seats only. And the candidates who are applying against the seats of FRI Deemed to be University, Dehradun, and their candidature will be considered for FRI Deemed to be University, Dehradun only. The interview of candidates qualified in Ph.D. Entrance Test against the FRCE Prayagraj seats will be conducted in FRI, Dehradun.
2. Similarly, Forest Research Centre for Bamboo & Rattan Aizawl (FRC-BR, Aizawl) is a centre of RFRI, Jorhat. The candidates who are applying for the seats of FRC-BR, Aizawl are required to mention in the application form at appropriate place and their candidature will be considered for FRC-BR, Aizawl seats only. The interview of candidates qualified in Ph.D. Entrance Test against the FRC-BR, Aizawl seats will be conducted in FRI, Dehradun. On selection, their synopsis seminar, progress reports presentations and pre-thesis submission seminar will be conducted in RFRI Jorhat.

**\*\* Name & Address of Nodal Officers & Research Centres for which seats are published**

1. Dr. Dr. Desha Meena, Scientist-C & Nodal Officer FRIDU), Arid Forest Research Institute, P.O. Krishi Mandi, New Pali Road, Jodhpur – 342 005.
2. Dr. A.K. Tripathi, Scientist-G & Registrar, Forest Research Institute Deemed to be University, P.O.I.P.E. Kaulagarh Road, Dehradun-248195.
3. Dr. Sunil Chandra, PhD, IFS & Nodal officer FRIDU, Forest Survey of India, P.O.I.P.E. Kaulagarh Road, Dehradun-248195.
4. Dr. G.C.S. Negi, Scientist-G, & Nodal officer FRIDU, G.B. Pant Institute of Himalayan Environment and Development, Kosi- Katarmal, Almora – 263643
5. Dr. Raj Kumar Verma, Scientist-G & Nodal Officer FRIDU, Himalayan Forest Research Institute, Conifer Campus, Panthaghati, Shimla – 171 009, Himachal Pradesh.
6. Dr. Bal Krishna Upadhyay, Nodal Officer FRIDU, Indian Institute of Forest Management, Nehru Nagar, Bhopal 462 003, M.P.
7. Dr. Manish Ranjan, Scientist-B & Nodal Officer, FRIDU, Head, Centre for Bamboo Development, IPIRTI, P.B No. 2273, Tumkur Road, Bangalore-560 022.
8. Dr. Deepa M., Scientist-C & Nodal Officer FRIDU), Institute of Forest Biodiversity, Post Box No.2129, Dulapally, Hakimpet (P.O.), Hyderabad-500014.
9. Dr. A. Karthikeyan, Scientist-F & Nodal Officer FRIDU, Institute of Forest Genetics & Tree Breeding, P.B. No. 1061, Coimbatore – 641 002.
10. Mrs. Ruby Susana Kujur, Scientist & Nodal Officer FRIDU, Institute of Forest Productivity, ‘Aranyodaya’, Ranchi Gumla, N.H.-23, Lalgutwa, Jharkhand, Ranchi – 834 002.
11. Dr. R. Sundararaj, Scientist-G & Nodal Officer FRIDU, , Institute of Wood Science & Technology, 18<sup>th</sup> Cross, Post Office. Malleswaram, Bangalore - 560 003.
12. Dr. V. Anitha, Nodal Officer FRIDU, Principal Scientist, Kerala Forest Research Institute, Peechi P.O. Thrissur District, Kerala – 680653.
13. Dr. R.K. Borah Nodal Officer FRIDU, Scientist-G, Rain Forest Research Institute, P.O. Box No. 136, Deovan, Sotai –Ali, A.T. Road, Jorhat, Assam.
14. Dr. Pramod Kumar, Scientist-C & Nodal Officer (FRIDU), Tropical Forest Research Institute, P.O. R.F.R.C., Mandla Road, Jabalpur – 482 021.

### **\*Entrance Test Centres**

1. Arid Forest Research Institute, P.O. Krishi Mandi, New Pali Road, Jodhpur – 342 005
2. Forest Research Institute Deemed to be University, P.O.I.P.E. Kaulagarh Road, Dehradun.
3. Himalayan Forest Research Institute, Conifer Campus, Panthaghati, Shimla – 171 009.
4. Institute of Forest Biodiversity, Post Box No.2129, Dulapally, Hakimpet (P.O.), Hyderabad-500014.
5. Institute of Forest Genetics & Tree Breeding, P.B. No. 1061, Coimbatore – 641 002
6. Institute of Forest Productivity, 'Aranyodaya', Ranchi-Gumla, N.H.-23, Lalgutwa, Ranchi – 834 002
7. Indian Institute of Forest Management, Nehru Nagar, Bhopal – 462 003.
8. Institute of Wood Science and Technology, 18<sup>th</sup> Cross, P.O. Malleswaram, Bangalore – 560 003.
9. Kerala Forest Research Institute, Peechi P.O, Thrissur District, Kerala – 680653.
10. Rain Forest Research Institute, P.O. Box No. 136, Deovan, Sotai –Ali, A.T. Road, Jorhat, Assam.
11. Tropical Forest Research Institute, P.O. R.F.R.C., Mandla Road, Jabalpur – 482 021
12. G.B. Pant Institute of Himalayan, Environment and Development, Kosi- Katarmal, Almora – 263643.

**Application form**  
**Appendix-1**  
**Last Date 06.06.2022**  
**Date of Exam 17.07.2022**  
**Form Fee Rs.1500/-**



Photograph  
(to be pasted  
& signed by  
the candidate)

**FOREST RESEARCH INSTITUTE DEEMED to be UNIVERSITY**  
**(Under Section 3 of the UGC Act 1956)**

**APPLICATION FORM FOR ENTRANCE TEST FOR PH.D. PROGRAMME IN FORESTRY – 2022**

*(Before filling up the Application form please go through the Ph.D. Ordinance & guidelines available on website)*

ROLL No.  
*(to be filled by office)*

1. Candidate's Name [Ms./Mrs./Mr.]: First Name Middle Name Last Name  
 (English, in Block Letters) \_\_\_\_\_  
 (in Hindi compulsory) \_\_\_\_\_
2. Father's Name: \_\_\_\_\_
3. Mother's Name: \_\_\_\_\_
4. Date of Birth : Date   Month   Year
5. Gender :
6. Category (i) (please ✓):
 

SC	ST	OBC)	OBC (Non-creamy layer)	GEN	PH
- (ii) Sub-Category (please ✓):
 

IN-SERVICE	UGC- GATE/NET /CSIR (JRF) Examination qualified (please Attach score card) (percentile shall not be considered)
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7. Name of Organization where employed: \_\_\_\_\_  
 (In case of In-service candidate)
8. Designation & whether Permanent/Temporary: \_\_\_\_\_  
 (In case of In-service candidate)
9. Nationality: \_\_\_\_\_
10. E-mail address: **(in block letters)** \_\_\_\_\_
11. Address (1) : \_\_\_\_\_  
 (For Correspondence)  
 Distt. \_\_\_\_\_ State \_\_\_\_\_ Pin Code: \_\_\_\_\_  
 Phone No. \_\_\_\_\_
12. Permanent Address : \_\_\_\_\_  
 Distt. \_\_\_\_\_ State \_\_\_\_\_ Pin Code: \_\_\_\_\_  
 Phone No. \_\_\_\_\_
13. \*Name of Entrance Test Centre: 1. \_\_\_\_\_ 2. \_\_\_\_\_

(Listed below the application form)

14. Qualifying Examination    
 Passed \*\*\*Appearing

Name of Qualifying (P.G.) Exam (Please attach proof)	Name of the University	Subject of specialization in Post-graduation (Please attach proof)	Percentage of marks
Post Graduate in.....			

15. Name of Research Centre applied for : \_\_\_\_\_
16. Discipline in which registration is required: \_\_\_\_\_  
(as per Discipline published for the Research center applied for) for eligibility see clause 3.3 of the Ph.D. Ordinance)  
(Note:- Please mention not more than two discipline)
17. Names of two references with contact address and telephone nos.
1. \_\_\_\_\_ 2. \_\_\_\_\_  
\_\_\_\_\_
18. Details of application form fee deposited. (Bank draft towards application fee to be attached alongwith form)
- | DD No. & Date        | Name of Issuing Branch | Amount (Rs.)         |
|----------------------|------------------------|----------------------|
| <input type="text"/> | <input type="text"/>   | <input type="text"/> |

### DECLARATION

Certified that I am eligible for admission in the Ph.D. Programme in FRI Deemed to be University as per the rules of the University. The details given by me above are correct to the best of my knowledge and belief. In case it is found in due course that the information given by me above is incorrect, action may be taken against me as per the rules of the FRI Deemed to be University and my candidature will stand automatically cancelled.

**Place:**

**Date:**

(Signature of Candidate)

### Recommendation of Nodal Officer of concerned Research Centre

- a) Whether eligible for admission in Ph.D. Programme \_\_\_\_\_
- b) Availability of Laboratory facility \_\_\_\_\_

(Signature of Nodal Officer)

### Candidates are advised to read following instructions carefully:-

1. Please enclose attested copies of Marks- sheets of Post Graduation, 10<sup>th</sup> class and Caste certificate, NET/GATE qualified certificate compulsorily. The candidates, who are appearing in final exam of qualifying exam (Post graduation) this year, are required to attach marks-sheet of 1<sup>st</sup> year of Post graduation course. The caste certificate of OBC (non-creamy layer) is to be produced in the format prescribed by Govt. of India. The OBC (Non Creamy Layer) candidates are also required to produce fresh Income certificate as per Department of Personal and Training, Govt. of India OM NO. 36033/1/2013-Estt. (Res.) dated 13.09.2017. Incomplete forms are not acceptable and will be treated as cancelled.

2. The candidates who have qualified UGC-NET (including JRF)/UGC-CSIR NET (including JRF)/teacher fellowship holder will be allowed to appear for the interview directly without appearing in the written entrance test. However, the candidates who have qualified GATE will also be allowed to appear for the interview directly without appearing in the written entrance test subject to securing of 50 normalized marks (out of 100) in case of General candidates and 45 normalized marks (out of 100) in case of SC/ST/OBC (non-creamy layer)/differently-abled and other categories of candidates as per the decision of the Commission from time to time, failing which they shall have to appear in the Entrance Test. **They will also have to give a proof of having qualified above exams along with score card (not percentile) attached with the form.** The UGC/CSIR/GATE/NET exam should have been cleared by the applicant during previous two years (the period of two years shall be counted from the last date of submission of the form).

**At the time of selection of candidates, a weightage of 70% to the NET/GATE score and 30% to the performance in the interview/viva-voce shall be given. However, the NET/GATE qualified candidates may also appear in Entrance Test conducted by FRIDU if desire. In that case, the highest score shall be considered.**

3. As far as possible the candidate shall be assigned the test centre of his/her choice, however the University reserves the right to assign any appropriate test centre to any candidate.

4. The selected candidates may be advised by the University to join any research centre under FRI Deemed to be University where required seats and expertise may be available. However merely passing the entrance test is not a guarantee that the candidate will be registered as Ph.D. Scholar.

6. If the applicant is in service in a graded pay scale in a government organization/statutory autonomous body/private organization then please attach a 'no objection certificate' from the employer. In absence of such certificate the Application form shall not be accepted. Such applicants shall have to take two years study leave as per rules. A research scholar shall be required to be present in the research centre concerned for a minimum period of two years. Their presence shall be duly recorded and maintained in the Division concerned.

7.\*\*The application form is to be submitted/sent to the research centre concerned for which the form is filled. The Nodal Officer of the Research Centre will send the application forms to the FRI Deemed to be University. The forms directly send to FRI Deemed to be University shall not be entertained. Applicants for FRI, Dehradun research centre only may directly submit their forms to the Registrar, FRI Deemed to be University.

9. **The Physically Handicapped candidates** will have to attach Disability certificate issued by the competent authority.

10. In case of any discrepancy the form will be rejected **and the application fee shall not be refunded.**

11. **The interview will be held on all centers on the same date.**



**ROLL NO.**  
(to be filled by office)

**FOREST RESEARCH INSTITUTE DEEMED to be UNIVERSITY**

**Entrance Test for Ph.D. Programme – 2022**

**REGISTRATION FORM**

1. Candidate's Name :
2. Mother's Name :
3. Father's Name :
4. Date of Birth :
5. Sex :
6. Name of Research Centre applied for:
7. Postal Address :  
(For Correspondence)
8. Category :
9. Full Signature of the Candidate: \_\_\_\_\_

Self Attested  
Photograph

10. **To be filled in only in the Examination Hall:**

Candidate's Signature	Name(s) of Invigilator	Full Signature of Invigilator





**FOREST RESEARCH INSTITUTE DEEMED TO BE UNIVERSITY**  
**Entrance Test for Ph.D. Programme – 2022**

**ADMIT CARD**

ROLL No.

(to be filled by office)

1. Name of Candidate :

2. Postal Address :

Self Attested  
Photograph

2. Examination Centre Allotted:

***Date: 17<sup>th</sup> July, 2022***

***Time: 10.30 a.m. to 1.00 p.m.***

Registrar  
FRI Deemed to be University

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**INSTRUCTIONS FOR THE CANDIDATE**

1. The candidate must bring the admit card with him/her to secure admission to the examination hall.
2. **Method of answering question is given in the OMR sheet.**
3. No candidate shall bring into the examination hall any article other than those specified in this notice. Calculator/Slide Rule/Mobile is not allowed.
4. No candidate shall copy from the papers of any other candidate or permit his/her own papers to be copied, or attempt to obtain irregular assistance of any description.
5. The doors of the examination room will be opened half an hour before the time fixed for commencement of the examination.
6. **No candidate will be admitted to the examination after fifteen minutes of starting of the paper.**
7. No candidate will be allowed to leave the examination hall before half an hour of starting of the paper.
8. No candidate, without special permission of the invigilator, shall leave his/her seat in the examination room until the end of the examination.
9. The candidate should not leave the room without handing over papers to the invigilator. No papers can be taken out of the examination hall.
10. The candidate is advised not to scribe or otherwise spoil the furniture and the Roll No. Cards placed at their desks.
11. Each candidate must write his/her own Roll No. at the space provided for.
12. Candidate will be required to sign the attendance when directed to do so by the invigilator.
13. Silence must be observed in the examination hall; any candidate found guilty, disorderly or of improper conduct will be expelled from the examination hall.
14. Candidate, who fails to observe these regulations, may be disqualified and debarred from appearing in this and any subsequent examination held by the Institute FRI Deemed to be University.

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## Rules

### 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:-**

Sl. No.	Discipline (Subject of study)	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 <b>or</b> Post-graduate degree in Agriculture with specialization in Plant Physiology <b>or</b> 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 <b>Or</b> Post graduate degree in Microbiology with specialization or Project work/ dissertation in Forest Pathology/Plant Pathology <b>Or</b> Post graduate degree in Plant Pathology/Mycology/Plant Pathology
6.	Forest Entomology	Post-graduate degree in Forestry <b>or</b> P.G. Degree in Zoology with specialization in Entomology <b>or</b> 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 <b>or</b> 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/Biodiversity & Conservation or Postgraduate degree in any science subjects with recognized Postgraduate Diploma in Wildlife Management.
19.	Forest Geo-informatics	M. Tech in Remote Sensing & GIS <b>Or</b> Post Graduate Degree in any Science subject with Post Graduate Diploma in Remote Sensing/GIS <b>Or</b> Postgraduate degree in Geo-informatics <b>Or</b> Post Graduate Degree in any Science subject but candidate must have studied Remote Sensing-GIS as one of the paper <b>Or</b> 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 <b>OR</b> 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

3.4 In case of registration of foreign students as Ph.D. Scholars the Equivalence Committee of the F.R.I. Deemed to be University before their registration shall settle the equivalence of the degree possessed by them. **However**, Candidates possessing a Degree considered equivalent to M.Phil. Degree of an Indian Institution, 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, shall be eligible for admission to Ph.D. programme.

#### **4. Duration of the Programme:**

4.1 A Ph.D. Scholar shall be permitted to submit his/her thesis not earlier than three years from the date of admission.

4.2 **The date of admission of the candidates registering for Ph.D. Programme for the award of degree of Doctor of Philosophy of FRI Deemed to be University shall be 1<sup>st</sup> September of the year (in which candidate will appear for the entrance test/interview) irrespective of date of commencement of Pre-Ph.D. Compulsory Course work. The date of registration shall be 1<sup>st</sup> March of the following year.**

4.3 In case a Research Scholar does not submit his/her thesis within a period of 6 years from the date of his/her admission unless the term is extended by the Research Degree Committee on the specific recommendation of the Research Advisory Committee for a period of upto 1 calendar year, his/her registration shall lapse.

The recommendations of the R.A.Cs for extension of term of registration must reach this office before expiry of the term of registration.

The women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of two years in the maximum duration of registration i.e. 5 years and six months. In addition, during the entire period of registration the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of Ph.D. for up to 240 days with the approval of Vice Chancellor on the recommendation of Supervisor/Head of Division/Nodal Officer of the Research Centre concerned. However, such leave would not be reckoned for calculation of minimum requirement of 36 months for submission of Ph.D. thesis and in such a situation, requirement of full 36 months needs to be completed.

#### **5. Procedure for admission:**

5.1 The admission to the Ph.D. Programme shall be through an Entrance Test conducted by the FRI Deemed to be University once in a year preferably during the month of June-July followed by an Interview of the candidates who will qualify the entrance test.

5.1.1 The Pre-Ph.D. Compulsory Course would be organized only once and would start from September of the year of Entrance Test & Interview. The admission to the Pre-Ph.D. Compulsory Course shall be in the month of September, and the date of admission in Doctor of Philosophy in Forestry Programme shall be 1<sup>st</sup> September of that year (in which candidate will appear for the entrance test/interview) irrespective of date of commencement of Pre-Ph.D. compulsory course work. The date of registration (after passing of 6 months Pre-Ph.D. compulsory course and submission of synopsis approved by Research Advisory Committee) shall be 1<sup>st</sup> March of the following year. The scholar will normally be required to submit synopsis duly approved by Research Advisory Committee by the end of June for registration from 1<sup>st</sup> March of the following year of entrance test. On cogent reasons, Vice Chancellor may give two months extension i.e. upto August for submission of approved synopsis, but in that case a fine of Rs.2000/- shall be charged and registration will be done w.e.f. 1<sup>st</sup> September of the following year of entrance test.

5.1.2 The candidates who have qualified UGC-NET (including JRF)/UGC-CSIR NET (including JRF)/teacher fellowship holder will be allowed to appear for the interview directly without appearing in the written entrance test. However, the candidates who have qualified GATE will also be allowed to appear for the interview directly without appearing in the written entrance test subject to securing of 50 normalized marks (out of 100) in case of General candidates and 45 normalized marks (out of 100) in case of SC/ST/OBC (non-creamy layer)/differently-abled and other categories of candidates as per the decision of the Commission from time to time, failing which they shall have to appear in the Entrance Test. However, such candidates will have to apply as per the procedure alongwith other candidates. They will have to provide marks-sheet of above exams along with their application form. The UGC/CSIR/GATE/NET exam should have been cleared by the applicant during previous two years from the last date of submission of the form in the University. **Provided that for selection of candidates, a weightage of 70% to the NET/GATE score and 30% to the performance in the interview/viva-voce shall be given. However, the NET/GATE qualified candidates may also appear in Entrance Test conducted by FRIDU if desire. In that case, the highest score shall be considered.**

5.1.3 There will be no entrance test for the Foreign/overseas students. Their admission will be based on the existing Clause 5.8 of the Ph.D. ordinance.

5.1.4 An in-service candidate other than the persons employed on a regular basis/on deputation at ICFRE institutes/Research Centers of FRI Deemed to be University shall be required to take leave to pursue Ph.D. for a minimum period of 2 years as minimum residential period from the date of commencement of Pre-Ph.D. compulsory course. The persons employed in ICFRE institutes/Research Centers of FRIDU shall be required to take study leave during the period when the regular classes for course work are being conducted in FRI Deemed to be University or its research centers.

The in-service candidate must have to submit his/her application through his/her employer. He/She will have to submit NOC from the current employer before registration letter is issued.

5.1.5 A candidate for the Ph.D. degree in Forestry must apply for registration to the Registrar FRI Deemed to be University or through Nodal Officers of the recognized centers of the FRI Deemed to be University on the prescribed form as given in Appendix-I along with the prescribed fee. The notification and application form will be made available on website sufficiently in advance.

5.1.6 The application form shall be accompanied by the documents as may be prescribed in the application form.

## **5.2 The vacancies shall be obtained in advance from all the research centres/Heads of Divisions of FRI.**

### **All the research centres shall:**

5.2.1 Decide on an annual basis through their academic bodies a predetermined and manageable number of Ph.D. scholars to be admitted depending on the number of available Research Supervisors and other academic and physical facilities available, keeping in mind the norms regarding the scholar- teacher ratio (as indicated in Para 6.5), laboratory, library and such other facilities;

5.2.2 The vacancies shall be notified well in advance in the institutional website and through advertisement in at least two (2) national newspapers, of which at least one (1) shall be in the regional language, the number of seats for admission, subject/discipline-wise distribution of available seats, criteria for admission, procedure for admission, examination centre(s) where entrance test(s) shall be conducted and all other relevant information for the benefit of the candidates;

### **5.2.3 While granting admission to students to Ph.D. Programmes, the University will adhere to the National/State level Reservation Policy, as applicable**

(a) For implementing the Reservation policy, "Reservation Rosters (Direct Recruitment on All India Basis by Open Competition, dated 02.07.1997, Swamy's Hand Book) up to 200 points/positions or whichever will be applicable shall be implemented on the available vacancies for all the disciplines of all the research centres collectively. The name of disciplines and research centres shall be arranged alphabetically.

(b) Out of the specified 200 points roster, 15%(30 points/positions) shall be for Scheduled Castes, 7.5%(15 points/positions) for Scheduled Tribes and 27% (54 points/positions) shall be for Other Backward Classes (non - creamy layer). The remaining 101 points will be unreserved. In case of applicability of other roster point like 120 points etc. the seats would be distributed following Swamy's Hand Book 2013.

(c) The seats reserved for the SC/ST shall be filled by the SC/ST candidates on merit prepared on the basis of marks of interview only. However in case of non-availability of the eligible candidates the reserved seats may be interchanged between the SC and ST. If still any seat remains unfilled, the same shall be left vacant.

If the seats reserved for the OBCs (Non-creamy layer) remain vacant, the said seats shall be filled with OBC students on the basis of marks of Interview. In case of non-availability of eligible OBC candidates the vacant OBC seats shall be converted to General Category seats in accordance with the admission schedule notified by the University.

(d) The roster shall not be carried forward for next year; it would be implemented only for that particular year and would automatically be lapsed after completion of admission process for that particular year. Every year separate/new model roster shall be prepared.

### **(e) Supernumerary seats:**

(i) Persons with Disabilities (PWD) – 3% of total intake. 1% each for the persons with low vision or blindness, hearing impaired and loco motor disability or cerebral palsy (interchangeable in case of non-availability of candidates in the sub-categories). If sufficient candidates are not available in a sub-category then candidates from other sub-categories shall be considered in their place.

5.3 The admission shall be based on the criteria notified by the Institution, keeping in view the guidelines/norms in this regard issued by the UGC and other statutory bodies concerned, and taking into account the reservation policy of the Central/State Government from time to time.

## 5.4 The University shall admit candidates by a two stage process through:

### 5.4.1 Guidelines for holding of the Entrance Test

- (i) An Entrance Test shall be qualifying with qualifying marks as 50% in case of General category candidates and 45% in case of SC/ST/OBC (non-creamy layer)/differently-abled and other categories of candidates as per the decision of the Commission from time to time. The syllabus of the Entrance Test shall consist of 50% of research methodology and 50% shall be subject specific. The Entrance Test shall be conducted at the Centre(s) notified in advance (changes of Test Centres, if any, also to be notified well in advance) at the level of the University
- (ii) The candidate must apply through the Research Centre where he/she want to carry out his/her research work. The applicant will be considered only for the centre concerned through which the application has been forwarded. In exceptional cases, the Director FRI may consider the change of research centre subject to availability of the vacancy.
- (iii) The question paper will have following sections and their proportional weightage shall be as follows:

#### **Section-A**

1. Basic Sciences (Physics, Chemistry, Botany, Zoology) -30 questions (Class 12<sup>th</sup> Standard)
2. Mathematical Aptitude (Math, Statistics, Reasoning) - 20 questions (Class 10<sup>th</sup> Standard)
3. General English – 25 questions (Class 12<sup>th</sup> Standard)
4. General Awareness – 25 questions

#### **Section-B**

1. General Forestry: 40 questions
2. Subject/discipline specific: 60 questions  
(As per the discipline applied for)

Sl. No.	Discipline applied for	Subject to be attempted compulsorily as per discipline applied for
1.	Silviculture/ Forest Seed Technology/ Forest Management/ Non Wood Forest Products / Forestry Extension.	Forestry
2.	Forest Genetics/Forest Botany/Plant Physiology/ Forest Pathology/ Forest Entomology/ Forest Ecology & Environment/ Forest Biotechnology/ Environment Management/ Wildlife Science/Soil Science/ Conservation Social Science	Life Sciences <b>or</b> Environmental Sciences <b>or</b> Forestry
3.	Wood Science & Technology/ Forest Geo-informatics/ Forest Hydrology/Climate Change & Forest Influence	Forestry <b>or</b> Physics <b>or</b> Wood Science & Technology <b>or</b> Environmental Sciences
4.	Chemistry of Forest Products/ Pulp & Paper Technology.	Chemistry <b>or</b> Pulp & Paper Technology
5.	Forest Bio-informatics	Life Science <b>or</b> Mathematics

- (iv) **The candidates securing minimum 30% and above marks in Section-B will only be considered for qualifying Entrance Test.**
- (v) Overall the minimum qualifying marks in entrance examination for general candidate is 50% and for the SC/ST/OBC (non-creamy layer)/differently-abled and other categories of candidates as per the decision of the Commission from time to time is 45%.
- (vi) Each multiple choice question contains 1 number and there shall be no negative marking.
- (vii) The duration of Ph.D. Entrance Test shall be of 2.30 hours.

#### 5.4.2 Guidelines for holding Interview

(i) The candidates qualifying the entrance test and those mentioned at clause 5.1.2 will be called for interview **merit wise (amongst the candidates securing qualifying marks) for appearing in Ph.D. Interview in a ratio of 1:5 with respect to seats and category** which will be conducted discipline-wise by the Head of Division concerned/Nodal Officer of respective research centres to discuss their research interest/area. The marks of candidates appeared in the interview will be sent to the Registrar, FRI Deemed University, who will prepare the list of selected candidates as per merit on the basis of marks obtained in **entrance test and in interview applying reservation policy, provided that for selection of candidates, a weightage of 70% to the NET/GATE score and 30% to the performance in the interview/viva-voce shall be given. However, the NET/GATE qualified candidates may also appear in Entrance Test conducted by FRIDU if desire. In that case, the highest score shall be considered.** The list prepared by the Registrar, FRIDU would be placed before Joint Admission Committee constituted by Vice Chancellor, FRIDU. The Joint Admission Commission shall examine the list of selected candidates keeping in view all aspects and shall approve the list and finally be approved by the Director, FRI/VC, FRIDU and would be uploaded on the website.

(ii) The successful candidates shall be directed to report to the Registrar FRI Deemed to be University/Nodal Officers of research centres concerned for compulsory course work of six months duration as per Ph.D. Ordinance, which would be organized only once from the month of September of the year of Entrance Test and Interview.

(iii) Merely qualifying the entrance test and interview does not mean that the candidate will be registered for Ph.D. Programme. The registration in the Ph. D. Programme shall be subject to the condition defined in Ordinance, submission of synopsis duly approved by Research Advisory Committee, availability of suitable supervisor and the approval of Director FRI/ Vice Chancellor FRI Deemed to be University

**5.5** On successful completion of the course work the candidates shall prepare the synopsis (in the light of 5.1.1 above) of their research plan and present before Research Advisory Committee (RAC) concerned for approval. The Member Secretary/convenor (Supervisor) shall conduct the meeting of the RAC for synopsis seminar and shall send the proceedings of the synopsis seminar (in Appendix-3) along with the approved synopsis (5 copies) duly signed by all the expert members of the RAC on the prescribed format as given in Appendix-II, to the Registrar FRI Deemed to be University for further action. In the Synopsis Seminar the RAC shall consider the following aspects, viz. whether:

5.5.1 the candidate possesses the competence for the proposed research;

5.5.2 the research work can be suitably undertaken at the Institution

5.5.3 the proposed area of research can contribute to new/additional knowledge.

5.6 the University shall maintain the list of all the Ph.D. registered students on its website on year-wise basis. The list shall include the name of the registered candidate, topic of his/her research, name of his/her supervisor/co-supervisor, date of enrolment/registration.

5.7 The registration letter for the PhD. degree will be issued only after receipt of the prescribed fees to the FRI University.

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