

No. 98/R-5/Ph.D./2016-FRIDU
Forest Research Institute (Deemed) University
P.O. I.P.E. Kaulagarh Road,
Dehradun-248195

Date: 08.04.2016

ANNOUNCEMENT
For
Ph.D. Forestry Entrance Test 2016

The Forest Research Institute (Deemed) University, Dehradun is going to conduct its Ph.D. Entrance Test on **3rd July 2016 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) University, Dehradun for the term of March 2017 are advised to apply in prescribed form latest by **20th May 2016** with a fee of Rs.1000/- through Bank Draft in favour of Registrar, FRI (Deemed) University, Dehradun. No application form will be entertained after the prescribed date. The Research Centre-wise position of seats is mentioned below. **For eligibility criteria please see clause 3 of the Ph.D. Ordinance available on the website**. Six-months Pre-Ph.D. Compulsory course would be conducted only once commencing from the month of September/October 2016. The last date for submission of application is **20th May 2016**. **The prescribed form may be downloaded from the website <http://fri.icfre.gov.in>.**

Important Dates

- | | | |
|----|----------------------------------|------------------------------|
| 1. | Last date for submission of form | : 20 th May 2016 |
| 2. | Date of Entrance Test | : 03 rd July 2016 |

Sl. No.	Name of the Research Centers	Number of vacancies
1.	Forest Research Institute, Dehradun Soil Science : 1 Wood Science & Technology : 1 Forest Pathology : 2 Forest Biotechnology : 5 Forest Management : 2 Forest Botany : 5 Forest Genetics : 3 Chemistry of Forest Products : 18 Forest Entomology : 11 Pulp & Paper Technology : 2 Silviculture : 1 Forest Seed Technology : 1 Forest Ecology and Environment : 3 Climate Change & Forest Influence : 2	57
2.	Institute of Forest Genetics & Tree Breeding, Coimbatore Forest Ecology and Environment : 1 Non Wood Forest Products : 1 Forest Genetics : 5 Forest Botany : 3 Forest Pathology : 2 Forest Biotechnology : 1 Forest Entomology : 4	17

3.	Institute of Forest Productivity, Ranchi Forest Genetics : 2 Forest Botany : 2 Soil Science : 4 Forest Biotechnology : 4 Forest Geo-informatics : 1	13
4.	Kerala Forest Research Institute, Kerala (only candidates having fellowship) Silviculture : 1 Seed Technology : 1 Forest Genetics : 1 Forest Pathology : 1 Soil Science : 2 Forest Ecology & Environment : 5 Forest Management : 2 Wood Science and Technology : 2 Chemistry of Forest Products : 1 Forestry Extension : 2 Forest Biotechnology : 3 Plant Physiology : 2	23
5.	Himalayan Forest Research Institute, Shimla Forest Ecology & Environment : 2 Forest Entomology : 3 Forest Pathology : 1	6
6.	Arid Forest Research Institute, Jodhpur Forest Biotechnology : 4 Forest Ecology & Environment : 3 Non Wood Forest Products : 2 Forest Pathology : 2 Forest Entomology : 1	12
7.	Indian Institute of Remote Sensing, Dehradun (only candidates having fellowship) Forest Hydrology : 5 Environment Management : 2 Forest Ecology and Environment : 1 Forest Geoinformatics : 2	10
8	Tropical Forest Research Institute, Jabalpur Forest Genetics : 3 Forest Pathology : 1 Forest Entomology : 3 Forest Ecology & Environment : 2 Non Wood Forest Products : 1 Forest Biotechnology : 1 Climate Change & Forest Influence : 1	12
09.	Institute of Wood Science and Technology, Bangalore Forest Entomology : 1 Forest Pathology : 1 Forest Ecology & Environment : 2 Forest Management : 1 Wood Science & Technology : 5	10

10.	Indian Institute of Forest Management, Bhopal		
	Forest Management :	11	18
	Forest Ecology & Environment :	7	
11.	Rain Forest Research Institute, Jorhat, Assam		
	Forest Pathology :	11	18
	Forest Botany :	5	
	Chemistry of Forest Products :	1	
	Forest Biotechnology :	1	
12.	Wildlife Institute of India Dehradun		
	Wildlife Science :	5	12
	Forest Geo-informatics :	2	
	Forest Botany :	1	
	Forest Ecology & Environment :	2	
	Environment Management :	1	
	Climate Change and Forest Influence :	1	
13.	Institute of Forest Biodiversity, Hyderabad		
	Silviculture :	1	4
	Forest Genetics :	2	
	Forest Biotechnology :	1	
	Total		212

Registrar
FRI (Deemed) University
Dehra Dun

Guidelines for Entrance Test

- i. The candidates 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 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.
- ii. The question paper will have following sections and their proportional weightage may be as follows:

Section-A

General Awareness: : 25 questions
General English: : 25 questions
Research Aptitude: : 30 questions (The questions will be based on reasoning & Statistics)

Section-B

*Basic & Applied Sciences :120 questions (attempt any two sections)

*(There will be 60 questions in each sub-section of Section-B. The questions will be based on Forestry, Agriculture, Life Sciences, Environmental Sciences, Chemistry, Physics, Wood Science & technology and Mathematics. **The syllabus is available on the website**)

- iii. The candidates who have qualified UGC/CSIR (JRF) Examination / GATE/NET will be allowed to appear for the interview directly without appearing in the written entrance test. However such candidates will have to apply as per the procedure alongwith other candidates. They will have to give a proof of having qualified 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.
- iv. The candidates qualifying the entrance test will be called for interview which will be conducted Discipline- wise by the Member Secretary RACs/Nodal Officers of Research centres. The list of candidates qualified in the interview will be sent to the Registrar, FRI Deemed University, who will compile the list of qualified candidates and will obtain the approval of the Director before finally declaring the result.
- v. The list of successful candidates prepared by Registrar FRI Deemed University and shall be sent to all the research centres and will be displayed on the website.
- vi. The successful candidates shall be directed to report to the Registrar FRI Deemed University/Nodal Officers of research centres concerned for compulsory course work of six months duration as per Ph.D. Ordinance.
- vii. On successful completion of the course work the candidates shall prepare the synopsis of their research plan and present before Research Advisory Committee concerned for approval. The Member Secretary 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 University for further action.
- viii. *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.** Ph.D. Scholars 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.*

Appendix-1Last Date **20th May, 2016**Date of Exam **03rd July 2016**

Form Fee Rs.1000/-



Photograph
(to be pasted
& signed by
the candidate)

FOREST RESEARCH INSTITUTE**(DEEMED) UNIVERSITY****(Under Section 3 of the UGC Act 1956)****APPLICATION FORM FOR ENTRANCE TEST FOR PH.D. PROGRAMME IN FORESTRY – 2016***(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: _____
2. Father's Name: _____
3. Mother's Name: _____
4. Date of Birth : Date Month Year
5. Gender : Marital Status :
6. (i) Category :

SC	ST	OBC	GEN
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- (ii) Sub-Category

IN-SERVICE	UGC/CSIR (JRF) Examination / GATE/NET qualified
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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: _____
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. _____
14. Qualifying Examination
Passed *** Appearing

Name of Qualifying Exam	Name of the University	Subject of specialization in qualifying exam	Percentage

15. **Name of Research Centre : _____
16. Discipline in which registration is required: _____
(as per clause 3.3 of the Ph.D. Ordinance)
17. Names of two references with contact address and telephone nos.
1. _____ 2. _____

18. Details of application form fee deposited.
- | DD No. & Date | Name of Issuing Branch | Amount (Rs.) |
|--|--|--|
| <div style="border: 1px solid black; width: 100px; height: 20px;"></div> | <div style="border: 1px solid black; width: 250px; height: 20px;"></div> | <div style="border: 1px solid black; width: 100px; height: 20px;"></div> |

DECLARATION

Certified that I am eligible for admission in the Ph.D. Programme in FRI (Deemed) 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 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, 10th class and Caste certificate.** Incomplete forms are not acceptable and will be treated as cancelled. A copy of all the certificates from class 10th onwards duly attested will be required only at the time of reporting to the research centres by the successful candidates.

***The candidates who are appearing in the qualifying exam are required to attach previous year marks-sheet.

- 2.** The candidates who have qualified UGC/CSIR (JRF) Examination / GATE/NET will be allowed to appear for the interview directly without appearing in the written entrance test. However such candidates will have to apply as per the procedure alongwith other candidates. They will have to give a proof of having qualified 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.

***3.** List of research centres/entrance test centres is attached.

- 4.** 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.

- 5.** The selected candidates may be advised by the University to join any research centre under FRI Deemed 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 to the research centre concerned (listed below) where a candidate wants to carry out his/her research. The Nodal Officer of the Research Centre will send the application forms to the FRI Deemed University. The forms directly send to FRI (Deemed) University shall not be entertained. Applicants for FRI research centre may directly submit their forms to the Registrar, FRI (Deemed) University.

- 8. The OBC candidates** are eligible to get reservation under OBC category only as per the Central Educational Institutions (Reservation in Admissions) Act-2008 and other relevant guidelines issued by Govt. Of India. They are required to attach caste certificate in the format prescribed by Govt. Of India. They are also required to attach a certificate to prove that they do not come in the "creamy layer" as defined by National Commission for Backward Classes (NCBC).



ROLL No.

(to be filled by office)

**FOREST RESEARCH INSTITUTE
(DEEMED) UNIVERSITY**

Entrance Test for Ph.D. Programme – 2016

REGISTRATION FORM

1. Candidate's Name :
2. Mother's Name :
3. Father's Name :
4. Date of Birth :
5. Sex :
6. Postal Address :
(For Correspondence)
7. Category :
8. Name of Research Centre:
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) UNIVERSITY
Entrance Test for Ph.D. Programme – 2016**

ADMIT CARD

ROLL No.

(to be filled by office)

1. Name of Candidate :
2. Postal Address :

Self Attested
Photograph

Examination Centre Allotted:

Date: 3rd July, 2016
Time: 10.00 a.m. to 1.00 p.m.

Registrar
F.R.I. (Deemed) University
Dehra Dun

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 answersheet.**
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 University).

***Entrance Test Centres**

1. Forest Research Institute (Deemed) University, P.O.I.P.E. Kaulagarh Road, Dehradun.
2. Tropical Forest Research Institute, P.O. R.F.R.C., Mandla Road, Jabalpur – 482 021
3. Arid Forest Research Institute, P.O. Krishi Mandi, New Pali Road, Jodhpur – 342 005
4. Institute of Forest Genetics & Tree Breeding, P.B. No. 1061, Coimbatore – 641 002
5. Institute of Forest Productivity, 'Aranyodaya', Ranchi-Gumla, N.H.-23, Lalgutwa, Ranchi – 834 002
6. Kerala Forest Research Institute, Peechi – 680 653, Thrissur Distt., Kerala State.
7. Institute of Wood Science and Technology, 18th Cross, P.O. Malleswaram, Bangalore – 560 003.
8. Rain Forest Research Institute, Post Box No. 136, Deovan, Jorhat – 785001, Assam.
9. Himalayan Forest Research Institute, Conifer Campus, Panthaghati, Shimla – 171 009.
10. Indian Institute of Forest Management, Nehru Nagar, Bhopal – 462 003.
11. Institute of Forest Biodiversity, Dulapally, P.O. Kompally, Hyderabad-500100

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

1. Dr. A.K. Tripathi, Registrar, Forest Research Institute (Deemed) University, P.O.I.P.E. Kaulagarh Road, Dehradun-248195.
2. Dr. R.K. Verma, Nodal Officer (FRIDU), Tropical Forest Research Institute, P.O. R.F.R.C., Mandla Road, Jabalpur – 482 021.
3. Dr. Tarun Kant, Nodal Officer (FRIDU), Arid Forest Research Institute, P.O. Krishi Mandi, New Pali Road, Jodhpur – 342 005.
4. Dr. V. Mohan, Nodal Officer (FRIDU), Institute of Forest Genetics & Tree Breeding, P.B. No. 1061, Coimbatore – 641 002.
5. Dr. M.P. Sujatha, Nodal Officer (FRIDU), Kerala Forest Research Institute, Peechi – 680 653, Thrissur Distt., Kerala .
6. Dr. Sarnam Singh, Nodal Officer (FRIDU), Indian Institute of Remote Sensing, (NRSA), 4th, Kalidas Road, Dehra Dun.
8. Dr. A.K. Deka, Nodal Officer (FRIDU), Rain Forest Research Institute, Post Box No. 136, Deovan, Jorhat 785001, Assam.
9. Dr. Raj Kumar Verma, Nodal Officer (FRIDU), Himalayan Forest Research Institute, Conifer Campus, Panthaghati, Shimla – 171 009, H.P.
10. Dr. Rekha Singhal, Nodal Officer (FRIDU), Indian Institute of Forest Management, Nehru Nagar, Bhopal 462 003, M.P..
11. Dr. Ruby Susana Kujur, Nodal Officer (FRIDU), Institute of Forest Productivity, ‘Aranyodaya’, Ranchi Gumla, N.H.-23, Lalgutwa, Jharkhand, Ranchi – 834 002
12. Dr. S.K. Sharma, Nodal Officer (FRIDU), Institute of Wood Science & Technology, 18th Cross, Post Office. Malleswaram, Bangalore - 560 003
13. Dr. V.P. Uniyal, Nodal Officer (FRIDU), Scientist-F, Wildlife Institute of India, P.O. Box # 18, Chandrabani, Dehradun, 248001, Uttarakhand
14. The Director, Institute of Forest Biodiversity, Dulapally, P.O. Kompally, Hyderabad-500100.

Clause 3. ADMISSION REQUIREMENT

- 3.1. To be eligible for admission to the Doctoral programme, a candidate must:
- Hold a master's degree or its equivalent from any recognized university/institute in a subject approved by F.R.I University.
 - Have received grades 55% or above in Post graduate examination for General/OBC category and 50% or above for SC/ST category.
- 3.2 In case of registration of foreign students as Ph.D. Scholars the Equivalence Committee of the F.R.I. University before their registration shall settle the equivalence of the degree possessed by them.
- 3.3. A candidate who meets the requirements mentioned above may select a field of study out of the following:

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 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	Post-graduate degree in Organic Chemistry/Bio-Chemistry/Agricultural Chemistry, MD in Pharmacology or equivalent in Indian System of Medicine, Post Graduate degree in Pharmacology/Industrial 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 from IIRS, Dehra Dun or Postgraduate degree in Geo-informatics.
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.
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 OR M.Tech. in Remote Sensing & GIS/M.Tech. in Environmental Engineering