Forest Research Institute Deemed University

Minutes of the meeting of the Academic Council held on 03.03.2017 at 11:00 am

The meeting of the Academic Council of FRI Deemed University was held on 03.03.2017 in the Conference Hall of FRI Deemed University. Dr. Savita, IFS, Director, FRI & Vice-Chancellor, FRI Deemed University headed the meeting as Chairperson. The following members attended the meeting:-

Dr. Neelu Gera, Head, Silviculture/RS&M Division
Sh. Shashikar Samanta, Head, Engg. Cell/Forest Informatics Division/Head, Extension Div.
Dr. H.S. Ginwal, Dean (A), FRI Deemed University
Dr. Mohd. Yousuf, Scientist-G, Entomology Division, FRI
Dr. Sadhna Tripathi, Scientist-G, Forest Products Division, FRI
Dr. Kishan Kumar V.S, Head & Scientist -G, Forest Products Division
Dr. A.K. Pandey, Scientist-G, Chemistry Division, FRI
Dr. R.M. Mathur, Retd. Scientist-G & Ex-Director, CPPRI, Saharanpur
Dr. M.C Porwal, Retired Scientist, IIRS , Dhradun
Dr. Charan Singh, Scientist, Indian institute of Soil & Water Conservation, Dehradun
Dr. Sarnam Singh, Scientist & Dean, IIRS, Dehradun
Dr. Sangeeta Gupta, Scientist-G, Botany Division, FRI
Dr. A.K. Sharma, Head & Scientist-F, Non Wood Forest & Products Division
Dr. Sudhir Singh, Head & Scientist-F, Entomology Division
Dr. Dinesh Kumar, Scientist-F, Silviculture Division, FRI
Dr. Vineet Kumar, Scientist-F, Chemistry Division, FRI
Dr. Y.C. Tripathi, Scientist-F, Chemistry Division, FRI
Dr. Manisha Thapliyal, Scientist-F, Silviculture Division, FRI
Dr. P.K. Gupta, Scientist-F, C & P Division, FRI
Sh. B.P. Tamta, Scientist-E, NWFP Division, FRI
Sh. Azmal Samani, Scientist-E, Forest Products Division, FRI
Dr. Meena Bakshi, Scientist-E, Botany Division, FRI
Dr. Charan Singh, Scientist-E, Forest Extension Division, FRI
Dr. Ombir Singh, Scientist-E, Silviculture Division, FRI
Dr. Ajay Thakur, Scientist-E, G & T.P Division, FRI
Dr. Arun Pratap Singh, Scientist-E, Forest Entomology Division, FRI
Dr. Vipin Prakash, Scientist-E, Forest Pathology Division, FRI
Dr. Vikas Rana, Head & Scientist-D, Cellulose & Paper Division
Dr. Nawa Bahar, Scientist-C, Silviculture Division, FRI
Dr. Hukum Singh, Scientist-B, Ecology, Climate Change & Forest Influence Div. FRI
Dr. A.K. Tripathi, Registrar, FRIDU — Member Secretary

At the outset, the Chairperson welcomed the members of the Academic Council and after that the Registrar & Member Secretary, Academic Council FRIDU with the permission of the chair started the proceedings of the meeting.

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Member Secretary, Academic Council
Registrar, FRI Deemed University

Agenda Item No.1/2017: To confirm the minutes of meeting of Academic Council held on 23.09.2016.

Resolution No. 1/2017: The members having gone through the compliance report on the resolutions passed by the Academic Council at its meeting held on 23.9.2016 has confirmed the minutes.

Agenda Item No.2/2017: To consider the issue of amendment in evaluation pattern of Academic Report of M.Sc. courses.

Resolution No. 2/2017: Having through the agenda the Academic Council has **resolved that** academic reports of M.Sc. Courses like Term Paper, Master thesis shall be evaluated by external examiner and concerned supervisor. There shall be 80% of total marks of external examiner and 20% of total marks of supervisor concerned. Further, it is **resolved** that a panel of examiners for evaluation of Term Paper, Master thesis be prepared by Course Coordinators.

Agenda Item No. 3/2017: To consider the matter of issuance of equivalence certificate of "Environmental Science" to students of M. Sc. Environment Management course.

Resolution No. 3/2017: Having gone through the agenda the Academic Council has **resolved** to issue equivalence certificate of "Environmental Science" to the students of M. Sc. Environment Management course by Dean (Academic)/Registrar, FRI Deemed University.

Agenda Item No.4/2017: To consider the issue of re-registration fees towards M.Sc. course repeat.

Resolution No. 4/2017: The Academic Council having considered the proposal regarding reduction in re-registration fees towards M.Sc. course repeat running for the students whose attendance are less than 75% during the course **resolved to reduce fee** from Rs.5000/- to Rs. 2500/- per course.

Agenda Item No. 5/2017: To consider the issue of extension of MoU between CPPRI and FRIDU regarding running of M.Sc. Cellulose & Paper Technology Course.

Resolution No. 5/2017: The Academic Council considered the agenda and, it was resolved for extension of MoU between CPPRI and FRIDU regarding running of M.Sc. Cellulose & Paper Technology Course.

Agenda Item No.6/2017: To consider the recommendations of the committee constituted to reframe existing Ph.D. ordinance as per UGC (Minimum Standards and Procedure for Award of M.PHIL./PH.D Degrees) Regulations, 2016, to recommend criteria for admission of GATE/NET qualified candidates in Ph.D. Programme and to decide the marking pattern of the Ph.D. Entrance Test.

Resolution No.6/2017: The Academic Council considered the agenda and after detailed deliberations on the recommendations of the committee, it is resolved to adopt UGC (Minimum Standards and Procedure for Award of M.PHIL./PH.D Degrees) Regulations, 2016 as under:-

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Registrar, FRI Deemed University

Ph.D. Ordinance recommended by the Committee as per UGC (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degrees) Regulations, 2016

1 **Short title, Application and Commencement**

1.1 These ordinances shall be called the Doctor of Philosophy (Ph.D.) Ordinance. (As per University Grants Commission (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degrees) Regulations, 2016)

1.2 The degree of Doctor of Philosophy (Ph.D.) in Forestry of Forest Research Institute Deemed University shall be awarded to those fulfilling the conditions as laid down in the ordinance.

1.3 **They shall come into force from the date of meeting of Academic Council.**

1.4 **Definitions**

In this Ordinance unless the context otherwise requires:

i) Academic Council means, Academic Council of F.R.I. **Deemed** University

ii) CSIR means, Council of Scientific & Industrial Research
iii) Director means, Director of Forest Research Institute University
iv) F.R.I. means, Forest Research Institute, Dehradun.
v) Head of Division means, Heads of Research Divisions of F.R.I University/ Research Centers.
vi) Institute means, Forest Research Institute **Deemed** University
vii) ICAR means, Indian Council of Agriculture Research.
viii) ICFRE means, Indian Council of Forestry Research & Education.
ix) Nodal officer means, Nodal Officer of Research Center of F.R.I. **Deemed** University.
x) Research Center means, Research Center created by F.R.I. **Deemed** University
xi) R.A.C. means, Research Advisory Committee.
xii) R.D.C. means, Research Degree Committee.
xiii) Registrar means, Registrar, Forest Research Institute **Deemed** University
xiv) UGC means, University Grants Commission.
xv) In-service candidate means employed permanently in a graded pay scale in a government organization/statutory autonomous body. The In-service candidate is required to submit a 'No Objection Certificate' from his/her employer to pursue research in the institute (FRI Deemed University).

2. **RESEARCH COMMITTEES**

2.1 Subject to the general supervision of the Academic Council, all matters connected with the Doctoral programme of a Ph.D. Scholar shall be dealt in accordance with these ordinances by the following committees:

i) The Research Degree Committee (RDC)

ii) Counseling Sub Committee

iii) The Research Advisory Committee (RAC) (**under clause 8)**

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Member Secretary, Academic Council
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2.2 **RESEARCH DEGREE COMMITTEE (RDC)**

2.3 The **RDC** shall consist of the following:-

i) Director or his nominee (Chairman)
ii) Four experts nominated by the Director for two years **(localized)**
iii) Heads of the concerned Divisions of **FRI/Nodal Officers of the Research Centres (Localized)**
iv) Supervisor and Co-supervisor, if any, of the Ph.D. Scholar **(Localized)**
v) The Registrar (Member Secretary)

2.4 The RDC shall:

a) Consider the recommendations of the RAC with regard to appointment or change of supervisor/co-supervisor.

b) Consider the report of the examiners and take the decision for the award of degree.

c) Consider the report of RAC regarding extension of the term of registration of a Ph.D. Scholar beyond the period of Registration.

d) The RDC will ascertain whether the certificate has been issued by the supervisor regarding incorporating corrections as suggested by the examiners.

e) The RDC may act against the supervisors who may be found lacking in their duty as Supervisor. The RDC may even consider debarring the Supervisor from taking further scholars.

2 .5 **COUNSELING SUB COMMITTEE**

There shall be a Counseling sub Committee for the purpose of counseling the research scholars and the concerned supervisors including the resolution of grievances if any.

2.6 (1). The Counseling sub Committee shall consist of the following: -

1. Dean (Academic), FRI Deemed University : Chairman
2. Any two Head of Divisions of FRI/other research center: Members
   (To be nominated by the Director, FRI/Chairman Academic council)
3. One Officer other than from FRIDU& its research centres: Member
   (To be nominated by the Director, FRI /Chairman Academic council)
4. Registrar, FRI Deemed University : Member Secretary

All the cases involving academic/research interests of the research scholar and the supervisor should be addressed to the Director, FRI.

2.6 (2) Terms of the reference of the Sub Committee shall be as follows:-

a) The committee shall look into all the matters that may be referred to it by Chairman, Academic Council/Research Degree Committee and shall submit its recommendation to the Research Degree Committee/Academic Council.

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b) The Chairman, Academic Council may direct office of the Registrar, FRI University to examine the cases related to academic/research interests of the research scholar and the supervisor and may issue suitable instructions. In exceptional cases, which may require detailed analysis, the Director/Chairman Academic Council may refer such cases to the Counseling Sub Committee for its opinion.

c) The Sub Committee may study the specific cases and device its own procedure to analyze the issue referred to it and may submit its recommendation to the Director. The Director, FRI/Chairman Academic Council may pass appropriate order on the recommendation of the Counseling Sub Committee.

d) The Chairman of the Sub Committee may convene the meeting of the Committee as and when necessary.

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

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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

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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/**Soil Science** **OR** M.Tech. in Remote Sensing & GIS/M.Tech. in Environmental Engineering

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3.4 In case of registration of foreign students as Ph.D. Scholars the Equivalence Committee of the F.R.I. Deemed 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) University shall be 1st 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 1st 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.

4.4 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.

5. Procedure for admission:

5.1The admission to the Ph.D. Programme shall be through an Entrance Test conducted by the FRI Deemed 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 1st 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 1st March of the following year. The scholar will normally be required to submit synopsis duly approved by**

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Research Advisory Committee by the end of June for registration from 1st 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. 1st 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 percentile of Normalize marks in case of General candidates and 45 percentile of Normalize marks 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.**

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 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 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 University or through Nodal Officers of the recognized centers of the FRI Deemed 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;

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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 2.7.1997, Swamy's Hand Book) upto 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:

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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 may be as follows:

Section-A

1. Research Methodology: 100 questions
(The questions will be based on Maths, Reasoning, Statistics and English)

Section-B

1. General Forestry : 50 questions
2. Subject/discipline specific: 50 questions
(as per the discipline applied for)

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

(iv) **The candidates securing minimum 30% and above marks in Section-B will only be considered for qualifying Entrance Test.**

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(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%.

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 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 interview applying reservation policy. 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 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 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/convener (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 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/College;

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.

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

Fee structure	**Fee (in Rs.)**
Fee to be deposited at the time of initial reporting	
Compulsory Course fee (to be paid to respective research centers)	2000.00
Library fee per year (to be paid to respective research centers till submission of thesis)	2000.00
Caution Money (Refundable) (to be paid to respective research centers)	2000.00
Fee to be deposited at the time of Registration after Synopsis Seminar	
Registration/Enrolment Fee	15000.00
Annual fee (to be deposited till submission of thesis)	10000.00
Cultural/Sports/Magazine	1500.00
Laboratory fee (to be charged by the research centers concerned annually for first two years of registration)	5000.00
Late fee	500.00
Other fees	
Renewal of Registration fee	1000.00
Fees to be deposited on extension of term of registration first time	**25000.00**
Fees to be deposited on extension of term of registration second time (to be deleted)	**40000.00**
Thesis fee (to be deposited at the time of submission of thesis)	15000.00
Revision of Thesis fee	2000.00
Viva-Voce exam fee (to be deposited at the time of submission of thesis)	2000.00
Provisional Degree Fee	100.00
Degree Fee	200.00

5.8 PROCEDURE FOR REGISTRATION OF FOREIGN CANDIDATES AS PH.D. RESEARCH SCHOLAR

Applications of foreign nationals nominated by the Government of India under scholarship scheme and self-financing foreign nationals will be entertained for registration as Ph.D. Scholar subject to the condition that they should fulfill the clause 3.4 above besides following conditions:

(a) Must hold a master's degree and secured at least 55% marks.

(b) The applications of scholarship holders (under various schemes) of foreign nationals for admission must be routed through Indian Council for Cultural Relations/Ministry of Human Resource Development (Dept. of Education), Govt. of India, New Delhi or Ministry of Environment and Forests, Govt. of India, New Delhi or Ministry of External Affairs, Govt. of India, New Delhi

(c) The foreign students under self-financing scheme should send their application directly to the Institute.

(d) They must have valid students Visa at least for a period of two years.

(e) The candidate must have a certificate to be verified by the Ministry/Agencies to the effect that the candidates had been subjected to AIDS test and found negative.

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(f) They should have adequate knowledge of English.

(g) The Degree/Certificate of the candidates must have been approved by the Association of Indian Universities (A.I.U) or equivalent to the corresponding degrees/certificate of Indian Universities.

(h) They **are required to pay the following fees:**
The scholars from the neighboring countries viz. Nepal, Bangladesh, Bhutan, Sri Lanka, Afghanistan, Pakistan & Maldives may pay following fee. The sponsored candidates will have to pay 25% more for all the items.

Sl. No.	Items	**Fee Structure for neighboring countries (in Indian Rupees)**
1.	Registration / Enrolment Fee	24000.00
2.	Foreign Scholar Fee	5000.00
3.	Cultural / Sports / Magazine	3000.00
4.	Annual fee (till submission of thesis)	10000.00
5.	Laboratory fee (to be charged annually for first two years of registration and to be paid to respective research centers)	6000.00 p.a.
6.	Library fee (till submission of thesis) (to be paid to respective research centers)	2000.00 p.a.
7.	Caution Money (Refundable)	4000.00
8.	Late fee	1000.00
9.	Renewal of registration fee	2000.00
10.	Thesis Fee	24000.00
11.	Compulsory Course Fee	2000.00
12.	Revision of thesis fee	4000.00
13.	Viva-Voce exam fee	2000.00

In order to encourage Forestry research in neighboring countries the DG, ICFRE/Chairman B.O.M. FRI University may exempt up to fifty percent of the total fee provided the candidates apply for such exemption as per the procedure prescribed by the university. The University shall also lay down the procedure for assessing the proficiency of the foreign scholar in English language so that there is no problem in integrating the scholar with the existing system. The exemption will be subject to performance and evaluation by the concerned Research Advisory Committee. For supporting such foreign students, the ICFRE may provide appropriate grant to the FRI University. There will be no exemption for the sponsored candidates. In case of scholars from other countries the university may register them at twice the above fee structure pending finalization of separate fee structure.

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

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6.1 Any regular Scientist E, F, G and any equivalent Forest Officer working in F.R.I (Deemed) 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 may be recognized as Research Supervisor. **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.

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 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

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6.6 In case of relocation of an Ph.D. woman scholar due to marriage or otherwise, the research data shall be allowed to be transferred to the University to which the scholar intends to relocate provided all the other conditions in these regulations are followed in letter and spirit and the research work does not pertain to the project secured by the parent institution/ supervisor from any funding agency. The scholar will however give due credit to the parent guide and the institution for the part of research already done.

The transfer of Ph.D. woman scholar shall be subject to the conditions

i. **That the main Supervisor will not be changed, however, she may take another Supervisor/Co-Supervisor from the University where she wants transfer**

ii. **That the transfer will be approved by the RDC FRIDU on the recommendation of RAC FRIDU and on production of NOC from Supervisor**

6.7 No research scholar hereinafter should be registered under a Scientist/ Forest officer who is going to retire or whose tenure of deputation is going to expire within 2 years from the date of registration.

6.8 Persons who have registered themselves, as Ph.D. Scholars shall not act as Supervisor or Co-supervisor of any Ph.D. Scholar.

6.9 The change of Supervisor should not be allowed. However, in exceptional circumstances, the Academic Council will consider the change of supervisor on the recommendation of the Research Degree Committee.

6.10 To ensure academic prudence, Chancellor, Vice Chancellor and Registrar of FRI Deemed University cannot be the Supervisor/Co-Supervisor of Ph.D. Scholar of FRI Deemed University. However, the Ph.D. scholars already registered with Chancellor, Vice Chancellor and Registrar of FRI (Deemed) University shall not be effected from this clause and shall continue to work under their supervision.

7. **Course Work**: Credit Requirements, number, duration, syllabus, minimum standards for completion, etc.

7.1 The credit assigned to the Ph.D. course work shall be a minimum of 08 credits and a maximum of 16 credits.

7.2 It shall be made compulsory for all the Ph.D. Scholars to pursue the following courses for one semester (6 months) at F.R.I University or its Research Centres. The courses will be conducted by Registrar, FRI University/Nodal Officer concerned in a time bound manner and only once as mentioned in 5.1.1 above.

i) Basic Forestry course as per syllabus vide Appendix-8

ii) Computer application course as per syllabus vide Appendix -9

iii) Statistics and Research Methods in Forestry course as per syllabus vide Appendix-10

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iv) Special problem to be given by Supervisor and presented in the form of review of literature/technical report in the related discipline/area of research. The Supervisor/Co-supervisor shall evaluate the report and if satisfied, may issue a certificate **(to be attached in the report) and shall also given marks out of 100.**

The scholar will have to pass above courses given in sl. no. (i), (ii) & (iii) and obtain satisfactory certificate for sl. no. (iv) so as to get registered as research scholar. The minimum pass marks for the above courses will be **55%**. However for the candidates who have passed M.Sc. in Forestry/Wood Science & Technology, the course on Basic Forestry will be optional.

In all such cases, where research scholar may have pursued these courses as given in item no. (i) (ii) & (iii) above as a part of curriculum in any other course, the research scholar concerned shall be allowed to appear in the exam directly and be exempted to appear in the regular classes. The scholar will have to pass the exam as per the rules of the FRI University and a certificate to that effect will have to be issued by the research center concerned.

On successful completion of the **Compulsory** Course Work at the end of 6 months the candidate shall be allowed to submit the synopsis before the Research Advisory Committee in the synopsis seminar **and obtain its approval of the synopsis.**

7.3 The Structure of Compulsory Course work as per Choice Based Credit System (CBCS) is as under

Sl. No.	Course code	Name of course	Credit for Theory	Credit for Practical
1	PBF 101	Basic Forestry	4	1
2	PCA 102	Computer application	0	2
3	PSR 103	Statistical and Research Methods in Forestry	2	2
4	PPW 104	Project work	3*	1**
*Report**Presentation Total credits = 15				

Marks distribution table for Examination

Sl. No.	Course code	Name of course	Theory	Practical	Total
1	PBF 101	Basic Forestry	75	25	100
2	PCA 102	Computer application	0	100	100
3	PSR 103	Statistical and Research Methods in Forestry	50	50	100
4	PPW 104	Project work	150*	50**	200
*Report **Presentation					

Note: - The candidate has to complete all four courses and has to obtain minimum 55% passing marks in each course in aggregate.

PPW 104 **Project work Credits (3+1)**

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Learning objective: The basic aim of the course is to train the scholars to identify research problem, reviewing literature, experimental set up, data collection and its analysis with the research process and conclude the work independently.

- Students will be required to do experimental work/review of literature for three months on the subject of student's choice selected for PhD under the supervision of his/her guide and submit the report and also present the project work in front of the Departmental Committee through power point presentation.

7.4 The Department where the scholar pursues his/her research shall prescribe the course(s) to him/her based on the recommendations of the Research Advisory Committee, as stipulated under sub-Clause 8.1 below, of the research scholar.

7.5 All candidates admitted to the Ph.D. programme shall be required to complete the Compulsory course work as mentioned in 5.1.1 above.

7.6 Candidates already holding M. Phil. degree and admitted to the Ph.D. programme, or those who have already completed the course work in M.Phil. and have been permitted to proceed to the Ph.D. in integrated course, may be exempted by the Department from the Ph.D. course work. All other candidates admitted to the Ph.D. programme shall be required to complete the Ph.D. course work prescribed by the Department.

7.7 Grades in the course work, including research methodology courses shall be finalized after a combined assessment by the Research Advisory Committee and the Department and the final grades shall be communicated to the Institution/College.

7.8 A Ph.D. scholar has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7-point scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed) in the course work in order to be eligible to continue in the programme and submit the dissertation/thesis.

8. Research Advisory Committee and its functions:

8.1 There shall be a standing Research Advisory Committee, or an equivalent body for similar purpose for Ph.D. scholars. The standing **RAC** for the Ph.D. Scholars for each discipline (as mentioned in clause 3.3) shall be constituted by the Director, FRI /Director of the Research Centers concerned. The Research Supervisor of the scholar shall be the Convener of this Committee.

The RAC shall be constituted as under:-

(a) Chairman
(b) Two experts from outside the division/institute.
(c) One expert from the division (if Supervisor is the divisional expert, in that case, the Head, Division concerned may take approval from the DRI to appoint another expert from division concerned)
(d) One Statistician/Research Methodology Expert
(e) Head of the Division/Co-supervisor-Ex-officio Member
(f) Member Secretary/Convener – Supervisor

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In addition to above, the Director FRI/Vice Chancellor FRI Deemed University shall be vested with the power to appoint any other additional subject expert into RAC of concerned discipline at anytime.

The standing RAC shall be constituted for a period of two years. The member secretary may convene the meeting of RAC in consultation with the chairman and the other members as and when necessary. In case if, under category 'c' the Supervisor (under whom the candidate has completed the course work on research problem) is the expert from the division, the Head of Division concerned/Supervisor with the approval of VC, FRIDU may appoint any other expert from Division.

The RAC shall have the following responsibilities:

8.1.1 To review the research proposal (Synopsis) and finalize the topic of research; and shall hold a synopsis seminar in which all the Forest Officers/ Scientists/RAC/Research Scholars of the concerned Division/Research Center shall participate. The suggestions made in the seminar by RAC may be incorporated in the proposed synopsis by the candidate. The RAC after holding the synopsis seminar shall recommend appropriate topic for registration and approve the synopsis after necessary revision/correction/modification as per the Ph.D. Ordinance. The recommendation of RAC should come in the Performa as given in Appendix-3;

8.1.2 To guide the research scholar to develop the study design and methodology of research and identify the course(s) that he/she may have to do.

8.1.3 To periodically review and assist in the progress of the research work of the research scholar.

8.2 A research scholar shall appear before the Research Advisory Committee once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. The six monthly progress reports shall be submitted by the Research Advisory Committee to the Institution/College with a copy to the research scholar.

8.3 In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Institution/College with specific reasons for cancellation of the registration of the research scholar.

8.4 To Recommend supervisor/co-supervisor as per clause **6** of the Ph.D. Ordinance.

8.5 To Examine the eligibility of the Supervisor as per clause 6 of these ordinances and will ensure that the supervisor/co-supervisor is qualified to guide research scholar in the concerned field of research.

8.6 Recommend, if necessary, in consultation with the Supervisor/Co-Supervisor for constitution of an Advisory Committee consisting of the Scientist/Teacher/Forest officer concerning the field of research of the Research Scholar. The Advisory Committee shall help/guide the Research Scholar in his/her research work in consultation with and overall supervision of the Supervisor;

8.7 **To Examine the application of the Research Scholar for extension of his/her term of registration beyond the period of registration and recommend to the RDC for extension of his/her term of registration for a maximum period of one year (as per clause 4 above).**

8.8 Recommend, if necessary, in consultation with the Supervisor/Co-Supervisor for transfer of woman Ph.D. Scholar under clause 6.6 of the Ph.D. Ordinance.

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8.9 To hold pre-thesis submission seminar of a Research Scholar who has completed his/her research work **at least 3 months before the expiry of term of registration** and recommend a panel of eight examiners **(other than the members of the RAC)** giving brief bio-data and indicating major areas of research/expertise of the examiners.

While making their recommendations the RAC shall see that the recommendations are made in conformity with the ordinance and such other directives as may be issued from time to time by the Academic Council in regard to matters connected with Ph.D. research.

9. **Evaluation and Assessment Methods, minimum standards/credits for award of the degree, etc.:**

9.1 & 9.2 Upon satisfactory completion of course work, and obtaining the marks/grade prescribed in sub-clauses 7.2 above, completion of research work as per the synopsis approved by the RAC, as the case may be, the Ph.D. scholar shall be required produce a draft thesis within a reasonable time before RAC, as stipulated by the Institution based on these Regulations.

9.3 Prior to the submission of the thesis **but at least 3 months before the expiry of term of registration**, the scholar shall make a presentation in the Department before the Research Advisory Committee of the Institution **concerned in Pre-thesis Submission Seminar** which shall also be open to all faculty members and other research scholars. The feedback and comments obtained from them may be suitably incorporated into the draft thesis in consultation with the Research Advisory Committee. The Supervisor shall organize a pre-thesis submission seminar for the candidate, in consultation with the Head of Division under the auspices of the RAC

9.4 Ph.D. scholars must publish at least one (1) research paper in refereed journal and make two paper presentations in conferences/seminars before the submission of the thesis for adjudication, and produce evidence for the same in the form of presentation certificates and/or reprints.

9.5 The Academic Council (or its equivalent body) of the Institution shall evolve a mechanism using well developed software and gadgets to detect plagiarism and other forms of academic dishonesty. While submitting for evaluation, the thesis shall have an undertaking from the research scholar and a certificate from the Research Supervisor attesting to the originality of the work, vouching that there is no plagiarism and that the work has not been submitted for the award of any other degree/diploma of the same Institution where the work was carried out, or to any other Institution. **ICFRE Plagiarism Policy is already in place and shall be consulted.**

9.6 When the Ph.D. Scholar has completed his/her pre-thesis seminar, the concerned RAC shall recommend to the Registrar a panel of at least eight examiners **who are not in employment of the Institution/who are not members of the said RAC** duly signed by them giving brief bio-data and indicating major areas of research/expertise of the examiners. The scholar shall submit five copies of summary of the thesis work along with the thesis. The panel of examiners shall be submitted by the Registrar to the Director, FRI University for appointment of three examiners atleast one of them should be from outside the **State** where research has been carried out. However, the Director, FRI/VC FRI Deemed University may appoint any other experts as examiner beyond the names recommended by the RAC. After appointment of the examiners by the Director FRI/VC FRI Deemed University, the Registrar shall get in touch with each examiner with a copy of the summary to secure acceptance of the examiner ship.

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9.6.1 An examiner shall ordinarily be required to accept the appointment offered by the F.R.I. University within the time indicated by the Registrar in the appointment letter. If, however, no information is received from an examiner within a reasonable time from the date of issue of the letter of appointment his appointment shall stand cancelled and another examiner shall be appointed.

9.6.2 On receipt of the acceptance of any examiner, the Registrar shall forward the copy of the thesis to him and take all action to get the report of the examiner expeditiously.

9.6.3 The examiner shall be requested to submit their individual reports within two months on the receipt of the thesis.

9.6.4 The examiner shall categorically recommend in the prescribed Performa acceptance or rejection or revision of the thesis and also give their detailed comments and examiners shall state if the thesis complies with the following conditions in case they recommend the award of the degree.

a) It is a piece of research work characterized either by discovery of facts or by a fresh approach towards interpretation of facts.

b) The thesis evinces the Research Scholar's capacity for critical examination and sound judgment.

c) It is satisfactorily in point of language and presentation of such matter.

9.6.5 The examiner shall return the copy of the thesis along with thesis evaluation eport or soon after submission of the evaluation report

9.6.7 (a) In case all the three examiners accept the thesis the same shall be accepted.

(b) In case all the examiners reject the thesis or two of them reject the thesis and third accept the thesis or two of them rejecting and the third recommending revision such thesis shall be rejected. The candidate may however be allowed to resubmit the thesis at least after 12 months and not later than 24 months, provided the title of the thesis remains unchanged. Normal procedure will be followed for the evaluation of the resubmitted thesis. In case of resubmission of the thesis, a fresh fee for the examination shall be paid by the candidate. No candidate shall be allowed to resubmit the same thesis more than once.

9.6.8 If two examiners accept the thesis and the third examiner recommends for revision or two recommending revision and third one recommending acceptance or if all the three recommend for revision, in all such conditions the thesis will be returned to the scholar for revision and the research scholar shall have to resubmit the thesis after revision in the light of examiner's observations. The revised thesis shall be sent to those examiners once again for re-evaluation who have recommended for revision and in such case there shall be only two options for the examiner 1. Accepted 2. Revision, in the format of re-evaluation report. In case any of the examiners recommend for revision for the second time, the candidate will be invited for viva where he/she will also defend/justified his/her work in the light of the examiner's comments in evaluation and re-evaluation reports.

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9.6.9 If two examiners accept the thesis and the third reject the thesis or in case one accepts the thesis, one recommends revision and the third rejects the thesis in such case the Director, FRI/VC, FRIDU shall appoint the fourth examiner for evaluation of the thesis. The opinion of the fourth examiner shall be final and binding on the scholar. If fourth examiner also recommends for rejection of the thesis then such thesis shall be rejected. However, the scholar be allowed to re-submit the thesis at least after 12 months and not later than 24 months, provided the title of the thesis remains unchanged. Normal procedure will be followed for the evaluation of the resubmitted thesis. In case of re-submission of the thesis, a fresh fee for the examination shall be paid by the candidate. No candidate shall be allowed to resubmit the same title more than once.

9.6.10 If the examiners recommend that the candidate be asked to revise his/her thesis, the Director shall permit the candidate to resubmit his/her thesis not later than Twelve months, the period being counted from the date of issue of letter to him/her. He/She shall have to pay a fresh fee of Rs.2000/- at the time of resubmitting his/her thesis. But it shall not be necessary for him/her to reproduce any certificate of further attendance at the institution/research center at which he/she had carried his/her work. In exceptional cases, the Director FRI/VC FRIDU may allow a scholar to submit the revised thesis after the prescribed period and in that case additional penalty to be decided by Director FRI/VC FRIDU would be charged from the candidate.

9.7 The re-submitted thesis shall be examined as far as possible by the old set of examiners.

9.8 As per the above sub clauses if the thesis is accepted then the research scholar shall be called upon to appear for an examination before the following Viva-Voce Board:-

1. External examiner - Chairman.
   (Nominated by the Director, FRI out of the examiners who have evaluated the thesis.)
2. Internal examiner - Member
   (Supervisor/Co-supervisor)

On satisfaction of the Viva-Voce Board the chairman may write a detailed report in his/her own hand in the prescribed Performa on the viva-voce presentation by the scholar and may recommend him/her for award of Ph.D. Degree by FRI University. **Provided** that if a Viva-Voce board is not in a position to conduct the Viva-Voce examination, the Director may look into the special circumstances of the case and may appoint alternative Viva-Voce examiner/examiners.

Such cases whom the Viva-Voce board recommend for award of Ph.D. Degree shall be submitted to the RDC for consideration of the award of Ph.D. degree. On approval of the RDC the degree will be deemed to be awarded from the date of viva voce. The Board of Management shall award the final degree on passing of grace.

9.9 The Institution shall develop appropriate methods so as to complete the entire process of evaluation of Ph.D. thesis within a period of six months from the date of submission of the thesis.

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10. **Academic, administrative and infrastructure requirement to be fulfilled by Institutions for getting recognition for offering Ph.D. programmes:**

10.1 Colleges/ may be considered eligible to offer Ph .D programmes only if they satisfy the availability of eligible Research Supervisors, required infrastructure and supporting administrative and research promotion facilities as per these Regulations.

10.2 Post-graduate Departments of Colleges, Research laboratories of Government of India/State Government with at least two Ph.D. qualified teachers/scientists/other academic staff in the Department concerned along with required infrastructure, supporting administrative and research promotion facilities as per these Regulations, stipulated under sub-clause 10.3, shall be considered eligible to offer Ph.D. programmes Colleges should additionally have the necessary recognition by the Institution under which they operate to offer M.Phil/Ph.D. programme.

10.3 Colleges with adequate facilities for research as mentioned below alone shall offer M.Phil./Ph. D. programmes:

10.3.1 In case of science and technology disciplines, exclusive research laboratories with sophisticated equipment as specified by the Institution concerned with provision for adequate space per research scholar along with computer facilities and essential software, and uninterrupted power and water supply;

10.3.2 Earmarked library resources including latest books, Indian and International journals, e-journals, extended working hours for all disciplines, adequate space for research scholars in the Department/ library for reading, writing and storing study and research materials;

10.3.3 Colleges may also access the required facilities of the neighbouring Institutions/Colleges, or of those Institutions/Colleges/R&D laboratories/Organizations which have the required facilities.

11. **Treatment of Ph.D through Distance Mode/Part-time**:

11.1 Notwithstanding anything contained in these Regulations or any other Rule or Regulation, for the time being in force, the FRI Deemed University; shall not conduct Ph.D. Programmes through distance education mode.

The evaluation procedure/viva-voce examination shall be conducted in the FRI (Deemed) University Dehradun only. The meetings of the Research Advisory Committees shall be only in the research centre concerned.

11.2 No Ph.D. Scholar shall accept during the period of research any paid assignment apart from Research Fellowships, Research Assistantship etc. unless in the opinion of the RAC such an assignment will not interfere with his/her research work.

12. **Award of M.Phil./Ph.D. degrees prior to Notification of these Regulations, or degrees awarded by foreign Universities**:

12.1 Award of degrees to candidates registered for the Ph.D. programme on or after July 11, 2009 till the date of Notification of these Regulations shall be governed by the provisions of the UGC (Minimum Standards and procedure for Awards of M.Phil/Ph.D Degree) Regulation, 2009.

12.2 If the Ph.D. degree is awarded by a Foreign University, the Indian Institution considering such a degree shall refer the issue to a Standing Committee constituted by the concerned institution for the purpose of determining the equivalence of the degree awarded by the foreign University.

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13. SUPPLICATION OF THESIS

13.1 On completion of the research work for Ph.D. by the candidate, the Supervisor shall organize, in consultation with the Head of Division under the auspices of the RAC a pre-thesis submission seminar by the candidate to present his/her progress and achievements and to receive suggestions for further improvement of the thesis.

13.2 After the pre-thesis submission seminar, the Supervisor shall forward the application of the candidate for supplication of the thesis along-with the minutes of the pre-thesis submission seminar, **Panel of Examiners** (as per clause **9.6** of Ph.D. Ordinance) and a certificate that the corrections/suggestions given by the RAC members in the pre-thesis submission seminar have been incorporated. **The Supervisor shall also provide a certificate of attendance of scholar as per clause of these ordinances and that the scholar was not engaged in any paid assignment (as per clause 14.6 of these ordinances) unless permitted by the RAC.**

13.3 A Ph.D. Scholar shall ordinarily supplicate the Ph.D. thesis within six months from the date of his/her pre-thesis seminar or till completion of term of registration whichever is earlier through the Supervisor and the Head of Division. The supervisor shall forward therewith **four spirally bound printed copies of the Ph.D. Thesis and 5 copies of summary of the thesis** to the Registrar.

13.4 The **thesis shall comply with the following conditions**

i) It must be a piece of research work characterized either by the discovery of facts or by a fresh approach towards the interpretation of facts. In either case, it should evince the candidate's capacity for critical examination and sound judgment.

ii) It shall be satisfactory in point of language and presentation of subject matter.

13.5 The thesis shall be accompanied by:-

1. A declaration from the Ph.D. scholar attesting to the originality that the thesis embodies the result of his/her own work and observations and in that respects the investigation appears to advance knowledge in the subject and vouching that there is no plagiarism and that the work has not been submitted for the award of any other degree/diploma of the same Institution where the work was carried out, or to any other Institution.
2. A certificate from the Supervisor and Co-Supervisor stating:

   i. That thesis embodies the work of the Ph.D. Scholar himself/herself
   ii. That in the opinion of the Supervisor/(Co-supervisor, if any), the thesis fulfills the requirements of the Ordinance governing award of Ph.D. Degree of F.R.I. University
   iii. That there is no plagiarism and that the work has not been submitted for the award of any other degree/diploma of the same Institution where the work was carried out, or to any other Institution.

   1. A certificate from RAC to be obtained at the time of pre thesis seminar in the given format at **Appendix -7**.
   2. Registration letter.
   3. Publications/Presentations/Letter of acceptance

The documents specified above shall be bound in the beginning of the thesis strictly in the above sequence.

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13.6 FORMAT OF THESIS

The entire thesis submitted to the FRI (Deemed) University shall be in following format.

(i) The thesis cover page should be printed in the under mentioned format:

Title of the thesis

THESIS

SUBMITTED TO THE

FOREST RESEARCH INSTITUTE (DEEMED) UNIVERSITY

DEHRA DUN, UTTARAKHAND

For

THE AWARD OF THE DEGREE OF

DOCTOR OF PHILOSOPHY IN FORESTRY

(Name of Discipline should be printed here)

By

Name of the Research Scholar

Name of the Division/Research Center

Year

(ii) The following should be printed on the side of the thesis (at the time of submitting hard bound thesis):

Name of the scholar

Title of the thesis

Year of submission of the thesis

(ii) The cover should be either green or black in colour. The colour of the letters printed on the cover should be golden and the thesis cover should be laminated. (at the time of submitting hard bound thesis)

(A.K. Tripathi)
Member Secretary, Academic Council
Registrar, FRI Deemed University

14. GENERAL PROCEDURAL GUIDANCE

14.1 Each RAC shall send a copy of the minutes of Synopsis seminar along-with the application of the candidate to the Registrar who shall issue letter of admission to the candidate recommended by the RAC after proper scrutiny and approval of the Director.

14.2 On receipt of the communication regarding the registration, the candidate shall pay the requisite fees to the Registrar within a month of date of issue of fee letter, **failing which with a prescribed late fee.**

14.3 Ph.D. Scholars shall be required to be present in the research centre concerned for a minimum period of two years from the date of registration. Their presence shall be duly recorded and maintained in the research centre concerned.

14.4 A record of the progress of every Ph.D. Scholar shall be kept by his/her Supervisor. The Supervisor shall conduct meeting of RAC preferable during the months of September/October for the six months period from March to August and during the months of March/April for the six monthly reports of the period from September to February for presenatation of six monthly progress report by the candidate. The RAC shall consider the progress reports and supervisor shall forward the same with recommendations and comments of the RAC, if any, to the Registrar.

14.5 Registration of a Ph.D. Scholar is liable to be cancelled by the Director at any time if:-

i) Two consecutive six monthly progress reports are not submitted at all or are not satisfactory as per recommendations/comments of RAC.

However, the research scholar is required to submit the six monthly progress reports till the work is presented in the pre-thesis submission seminar and is approved by the committee for submission of thesis.

The initial 4 progress reports may come through Chairman and Member Secretary R.A.C. The rest can come through Head of Division and Supervisor concerned.

ii) The attendance in case of Research Scholar should not be less than 75% in any term.

14.6 No Ph.D. Scholar shall accept during the period of research any paid assignment apart from Research Fellowships, Research Assistantship etc. unless in the opinion of the RAC such an assignment will not interfere with his/her research work.

14.7 A Ph.D. Scholar shall not be permitted to take any other degree course, but may be permitted by the RAC to take part-time Diploma or Certificate course(s) not affecting the scholar's research work adversely.

14.8 The Research Scholar may **not later than three months from** the date of issue of registration letter, modify the scheme of the research work or nature or scope of the subject, on the recommendation of the Supervisor and RAC, with the approval of Director.

14.9 A Ph.D. Scholar shall be permitted to submit his thesis not earlier than thirty months from the date of his/her registration Academic Council.

The legal disputes if any with respect to the process of award of any degree/diploma/certificate by this University shall be subject to the jurisdiction of the competent Courts under the Honorable High Court of Uttarakhand State.

(A.K. Tripathi)
Member Secretary, Academic Council
Registrar, FRI Deemed University

15 CONCLUSION

15.1 From the date when these Ordinances come into operation all previous Ordinance on the subject shall cease to have effect.

Provided that this revocation shall not affect the previous ordinance so revoked or anything done or suffered under any previous ordinance so revoked or affect any right, privilege, obligation or liability acquired, arrived or incurred under any ordinance so revoked.

15.2 Notwithstanding anything contained in these ordinances, any question, which is not covered by these ordinances, or any difficulty arising out of these ordinances shall be dealt with by the Academic Council.

15.3 The legal disputes if any with respect to the process of award of any degree/diploma/certificate by this University shall be subject to the jurisdiction of the competent Courts under the Honorable High Court of Uttarakhand State.

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It is also resolved that these Ph.D Ordinances shall be effective from the date of the meeting of the Academic Council i.e. 3.3.2017 and that the UGC shall also be duly informed regarding adoption of UGC (Minimum Standards and Procedure for Award of M.PHIL./PH.D Degrees) Regulations, 2016.

It is also directed by the Academic Council that in any case the pre-thesis submission seminar should be conducted atleast 3 months before the expiry of term of registration.

Academic Council again resolved to implement these regulations from the date of meeting of Academic Council (3.3.2017) and to give the benefits to all the Ph.D. Scholars who were registered till 28.2.2017 or are registered beyond 28.2.2017. The earlier existing rule of Charging of extension fees of Rs. 25,000/- and Rs.40,000/- as 1st extension and 2nd extension fee respectively is also revoked in the light of clause 4 of these Ph.D. ordinances.

Agenda Item No.7/2017: To consider the recommendations of the committee constituted to study UGC Notification 11th July, 2016 regarding UGC [INSTITUTIONS DEEMED TO BE UNIVERSITIES] REGULATIONS, 2016 and to approve the same for inclusion in the MoA of FRI Deemed University.

Resolution No. 7/2017: The Academic Council considered the agenda and after detailed deliberations on the MoA, it was resolved to adopt MoA as per the Annexure-4, for which UGC shall be duly informed.

Agenda Item No. 8/2017: To consider the recommendations of the committee constituted to prepare the syllabus and marking pattern including Intellectual Property Rights (IPR) as a generic Elective subject under the Choice Based Credit System (CBCS) in the university.

(A.K. Tripathi)
Member Secretary, Academic Council
Registrar, FRI Deemed University

Resolution No. 8/2016: The Academic Council considered the agenda and resolved to approve the syllabus and marking pattern including Intellectual Property Rights (IPR) as a generic Elective subject under the Choice Based Credit System (CBCS) in the university as per the Annexure-5, for which UGC shall be duly informed.

One of the members of the Academic Council, Dr. Sudhir Singh, Head, Entomology Division with the permission of the Chair brought to the notice of Academic Council, one case of her Ph.D. Scholar Ms. Bhawna Joshi, pursuing research under his supervision whose 4+1+1 year term of registration is expired on 28.2.2017 but she could not submit her thesis by 28.2.2017 and requested to grant her extension for a period of atleast 6 months for completion of her work and writing and submission of thesis. During her pre-thesis submission seminar, the RAC has made many suggestions for improvement of her thesis. The RAC has also recommended that her case may be considered sympathetically and a time of six months may be given to her for writing and submission of thesis on humanitarian ground.

Considering her case sympathetically, the Academic Council resolved to place the recommendations of RAC before RDC which may extend her term of registration in the light clause 4 of Ph.D. Ordinances placed approved above.

The meeting then ended with thanks to the Chair.

(A.K. Tripathi)
Member Secretary, Academic Council
Registrar, FRI Deemed University

(Savita)
Chairman, Academic Council
Director, FRI & VC, FRIDU