

JADAVPUR UNIVERSITY

PH.D. REGULATION 2017

Provisions relating to Doctorate Degree

The following Amendments to the Ph.D. Regulations 2010 of Jadavpur University, in consonance with UGC M.Phil / Ph.D Regulations 2016, shall be applicable to all Ph.D. programmes offered by the university, and to the Ph.D. programmes offered by other institutes that are recognized by and affiliated to Jadavpur University, with effect from May 16, 2017. Award of degrees to candidates registered for the Ph.D. programme on or after July 11, 2009, but before May 16, 2017, shall be governed by the Ph.D. Regulations 2010 of Jadavpur University that were adopted in consonance with provisions of the UGC (Minimum Standards and procedure for Awards of Ph.D Degree) Regulation, 2009.

17. The University will award the following Doctorate Degrees:

- i) D.Litt. in Arts; D.Sc. in Science, Engineering & Technology / Pharmacy
- ii) Ph.D. (Arts); Ph.D. (Science); Ph.D. (Engg. / Pharm.) in Arts, Science and Engineering & Technology / Pharmacy respectively.

Of the above two categories, the degree of D.Litt. & D.Sc. are to be considered as Doctorate Degrees of higher level and no supervisory guidance will be necessary. Supervisory guidance is compulsory for Ph.D. degrees in all disciplines except as provided in clause 23, below.

Ph.D. Programme shall be of a minimum duration of three years including course work and maximum six years with one year extension subject to clause 19(v) below. Female candidates and candidates having at least 40% disability may be granted further extensions beyond this limit as per Clause 19(v).

Eligibility for Admission

18. i) The application for admission to the Doctor of Philosophy (Ph.D.) programme is to be made to the Registrar in the prescribed form.

- ii) A person who has obtained Master's degree of at least two-year (or 4-Semester) duration, in any discipline, or a professional degree declared equivalent to the Master's degree (such as MBBS with Master's Degree, MBA, MCA, MD) 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, such as grade point of 6.25 in 10-point scale for Master's in Engineering/ Technology/ Pharmacy/ Architecture/ Computer

Application as per AICTE norms) 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.

A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer) / Differently-Abled and other categories of candidates as per the decision of the UGC/AICTE/State Government 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.

iii) A person who has obtained a Post-graduate Diploma/Degree of less than two years' duration from any University or Institution recognized by this University is eligible for application for admission to the Doctor of Philosophy (Ph.D.) programme provided that such candidate has completed at least a total of five years' of graduate and post-graduate study in a recognized university or Institution.

iv) **Deleted.**

v) A candidate shall submit a statement that s/he is not currently enrolled or registered for the doctorate degree in any University / Institute and as long as s/he is registered for the Ph.D. degree programme at this University s/he will not get registered at any other University / Institute if not pursuing any joint doctorate degree programme of this University.

vi) Subject to the conditions laid down in Clause 18(ii) and 18 (iii) above, candidates who have an M.Phil. (of two-year duration) or a degree deemed equivalent by the *Equivalence Committee of the University*, or in case of candidates who have qualified in the UGC-NET/CSIR-NET/SET/GATE/GPAT/ Teacher Fellow/ Scientist or any other examination that may be deemed equivalent by the Doctorate Committee will have to be successful in the interview on the subject as mentioned under clause 18(ix) below to be conducted by the Ph.D. Research Committee of the Department/School concerned constituted as per clause 21 (iii) to qualify for admission.

Provided that,

- (a) the Master's Degree or a degree deemed equivalent to the Master's degree for such a candidate is in the discipline/subject in which he/she is applying for Ph.D. Degree or in a discipline/subject deemed relevant/allied by the Doctorate Committee of the Faculty concerned.
- (b) such a candidate was admitted to the M.Phil programme of the concerned Institution through a written admission test and had obtained at least 55% marks in aggregate in the M.Phil course work.

Subject to the conditions laid down in Clause 18(ii) and 18(iii) above, candidates possessing a Degree considered equivalent to 2-year 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, will have to be successful in the interview on the on the subject as mentioned under clause 18(ix) below to be conducted by the Ph.D. Research Committee of the Department/School concerned constituted as per clause 21 (iii) to qualify for admission. *The Equivalence Committee of the University shall examine and recommend to the relevant Doctorate Committee/Admission Committee the equivalence of any such degree with two-year M.Phil Degree of an Indian Institution.*

In all other cases the candidate will have to appear for an admission test to be conducted by the office of the Controller of Examinations of the University and if qualified, have to be successful in the interview on the subject as mentioned under clause 18(ix) below to be conducted by the Ph.D. Research Committee of the Department/School concerned constituted as per clause 21(iii) to qualify for admission.

The admission test procedure will be decided by the Doctorate Committee concerned in consultation with Head of the Department/Director of the School.

Following the admission procedure, a list of qualified candidates (preferably mentioning their area(s) of research interest(s)) will be published and displayed by the University through respective faculty office.

Subject to the conditions laid down in 18(ii) and 18(iii) above, an M.Phil student of JU with UGC-JRF/RGNF/Moulana Azad fellowship, may be admitted to the Ph.D. programme after successful fulfillment of all the requirements of the M.Phil Degree, provided that he had obtained at least 55% marks in aggregate in the M.Phil course work, and his/her performance in the Ph.D. admission interview is satisfactory in terms of the criteria set by the Doctorate Committee of the Faculty concerned.

vii) Each Doctorate Committee shall predetermine 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, laboratory, library and such other facilities.

Admission test schedule shall be notified at least once in every year, 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 for Ph.D. in each subject/discipline, criteria for admission, procedure for admission, examination centre(s) where entrance test(s) shall be conducted and all other relevant information;

The reservation policy of the State Government will be applicable.

viii) The qualifying marks in the Written Entrance Test (WRET) shall be 50% for General category applicants. The syllabus of the Entrance Test, as prepared by the Department/School concerned and approved by the Doctorate Committee of the Faculty concerned shall consist of 50% of research methodology and 50% shall be subject specific, and shall be uploaded in its website by the University well in advance of the WRET.

ix) In the interview/viva-voce, a candidate shall be required to discuss his/her research interest/area through a presentation before the Ph.D. Research Committee of the Department/School constituted as per clause 21 (iii).

The interview/viva voce shall also consider the following aspects, viz. whether:

- (a) the candidate possesses the competence for the proposed research;
- (b) the research work can be suitably undertaken at the Department/School concerned;
- (c) the proposed area of research can contribute to new/additional knowledge

Procedure for Registration

19.i) The Doctorate Committee of the Faculty concerned shall process the application of the qualified candidates as per clause 18 (ii) and (iii) above. If the Doctorate Committee accepts the candidate for registration on the recommendation of the Ph.D. Research Committee of the Department/School concerned as per Clause 18(vi) above, then s/he shall have to register her/his name or get admitted to the Ph.D. programme on or within the date specified by the Doctorate Committee, by paying a registration fee plus such other fees duly determined by the University, failing of which the offer of admission/registration shall be cancelled.

The scheme of the work and title of thesis shall have to be registered by the student/scholar as per Clause 21(iii-B(1)) below within two years from the date of registration to the Ph.D. programme or within one year from the date of successful completion of the course-work, whichever is applicable. However, the title of research work/thesis of a student may be registered as per 21(iii-B (1)) below, on the recommendation of the Ph.D. Research Committee of the Department/School concerned before the successful completion of Ph.D. course-work in cases where he/she has been awarded with a Fellowship by UGC/CSIR or any such funding agency, the commencement of which requires the registration of the title of his/here research work. Notwithstanding any such requirements, continuation of Ph.D. research work and validity of registrations shall be subject to conditions laid down under Clause 20 (iii) below.

ii) Registration for Ph.D. degree shall be granted to a candidate provided that the Doctorate Committee is satisfied that:

- a) the candidate satisfies the requirements for eligibility as laid down under 18(ii) and (iii) above.
- b) it shall be possible for the candidate to maintain regular contact with her/his Supervisor throughout the entire period of her/his work, and
- c) the experimental part, if any, of the work can be carried out at this University or in other recognized University or institution or research organization or Industry where adequate facilities for carrying out such work exist.
- d) There is evidence that person qualified under (21) is willing to act as supervisor for the candidate.

iii) In case of failure to register within the prescribed time, the application shall be deemed to have been cancelled unless granted permission by the Registrar on the basis of a written

application by the candidate and recommendation of the Doctorate Committee/Admission Committee of the Faculty concerned.

- iv) On payment of the registration fee, the candidate's name and other particulars will be included in the register maintained by the Office of the faculty concerned.

The date of payment of Registration fee, or the first installment as may be permitted by the University, shall be taken as the date of Registration to the Ph.D. programme.

The Registration Certificate shall be issued to a candidate by the Registrar only after full payment of the Registration fee by him/her.

- v) Registration shall remain valid for six years from the date of registration, provided that the candidate successfully completes the Ph.D. course work as stipulated under clause 20(iii) below, he/she maintains regular contact with her/his Supervisor throughout the entire period of her/his work, her/his research progress is found to be satisfactory by the Research Advisory Committee of the candidate concerned as per Clause 21(iii) below and has paid registration fee and other fees applicable in full within 18 months from her/his date of registration as defined under 19(iv) above.

Subject to fulfillment of the above criteria and on the recommendations of the Research Advisory Committee of the candidate concerned, as per Clause 21(iii) below, on the basis of satisfactory progress in his/her research work, the relevant Doctorate Committee may extend the period of registration beyond six years provided that such extension shall not exceed one year.

For a female candidate, the period of valid registration shall be six years subject to fulfillment of the above requirements, with maximum of two (2) extensions of one-year each, as permitted by the Doctorate Committee on the recommendations of the Research Advisory Committee of the candidate concerned as constituted under Clause 21(iii B) below, on the basis of satisfactory progress in her research work, excluding the period of maternity / child care leave granted to her once in the entire duration of Ph.D. for up to 240 days.

For a candidate with at least 40% disability, the period of valid registration shall be six years subject to fulfillment of the above requirements, with maximum of three (3) extensions of one-year each, as permitted by the Doctorate Committee on the recommendations of the concerned Research Advisory Committee of the candidate concerned as constituted under Clause 21(iii) below, on the basis of satisfactory progress in his/her research work.

- vi) The candidate may apply to the Registrar for cancellation of registration stating reasons, and such application, preferably forwarded by the Supervisor(s) must be placed and recorded at the meeting of the Doctorate Committee. If approved, the candidate's registration will be cancelled.

- vii) Registration of a student/scholar may also be cancelled by the university if the candidate does not fulfill the above criteria mentioned under 19(v) above. In such cases, the Research Advisory Committee of the candidate concerned may recommend to the Registrar for

cancellation of his/her registration. The recommendation of the concerned Research Advisory Committee shall be placed at the meeting of the Doctorate Committee and the candidate will be notified in writing the provisional decision taken by the Doctorate Committee. Final decision will be taken by the Doctorate Committee after obtaining the reply within a stipulated period of time.

The Research Advisory Committee of the student/scholar concerned may also recommend cancellation of his/her registration if he/she fails to present his/her research progress in work-in-progress seminars in due time for two or more consecutive occasions.

Privileges and obligations of registered candidates

19. i) A registered student/scholar shall work under the guidance of the Supervisor(s) appointed by the Doctorate Committee on the recommendation of the Ph.D. Research Committee of the Department/School concerned.

ii) A registered candidate shall abide by such regulations as may be prescribed by the Doctorate Committee from time to time.

iii) If the registered student/scholar does not have an M.Phil (of two-year duration) with at least 55% marks in the course-work examinations in aggregate, or equivalent degree but qualifies under 18 (ii) & (iii), then he/she will have to satisfactorily complete Ph.D. course-work comprising at least two courses and a maximum of four courses of 4-credits each or two courses of 8 credits each. Such courses, of which one course shall be on Research Methodology of at least 4 credits, shall be prescribed by the Department/School where he/she pursues his/her research on the recommendations of the Research Advisory Committee, as stipulated under Clause 21(iii) below, and shall be of one semester duration.

These courses must be taken within initial one or two semesters from the date of registration and must be successfully completed with at least 55% of marks in aggregate or its equivalent grade in the UGC 7-point scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed, such as grade point of 6.25 in 10-point scale for Ph.D. course under Faculty of Engineering and Technology as per AICTE norms), and in order to be eligible to continue in the Ph.D. programme and submit the dissertation/thesis.

A registered student/scholar already holding an M.Phil (of two-year duration) or equivalent degree, may be exempted by the Department from the Ph.D. course work, provided

(a) a one-semester course on Research Methodology of at least four-credit was taught in the M.Phil. course work and all the courses were successfully completed by him/her with at least 55% marks in aggregate or its equivalent grade in the UGC 7-point scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed);

(b) M.Phil (of two-year duration) or equivalent degree is in the subject/discipline deemed relevant/allied by the Ph.D. Research Committee of the Department/School concerned and approved by the Doctorate Committee concerned;

(c) his/her domain knowledge in the subject/discipline of his/her Ph.D. research is deemed by the Ph.D. Research Committee of the Department/School concerned as satisfactory and up-to-date.

Number of Courses and Credit Requirement:

Under the Faculty of Arts and the Faculty of Engineering & Technology, each course shall be of four-credit, one of which shall be on Research Methodology. The total number of courses to be taken and the credit requirement for Ph.D. course-work in each discipline/subject shall be determined by the Doctorate Committee of the respective Faculty on the recommendation of the Ph.D. Research Committee of the Department concerned, but the total credit for Ph.D. course-work shall not be less than 8 credits and shall not exceed 16 credits. The registered Ph.D. students under Faculty of Engineering and Technology, who have MCA degree, shall have to take four courses compulsorily including a course on Research Methodology, totaling 16 credits. Under Faculty of Science, the Ph.D. course shall consist of two papers/courses of 8 credits each in each subject/discipline, one of which shall be on Research Methodology. Under Faculty of Interdisciplinary Studies, Law and Management (FISLM), each course shall be of either 4 or 8 credits as decided by the respective schools and approved by the Doctorate Committee of FISLM. The total number of courses to be taken, one of which shall be on Research Methodology of at least 4-credit, and the credit requirement for Ph.D. course-work in each discipline/subject shall be determined by the Doctorate Committee of FISLM on the recommendation of the Ph.D. Research Committee of the School concerned, but the total credit for Ph.D. course-work shall not be less than 8 credits and shall not exceed 16 credits.

The course on Research Methodology would usually cover areas such as quantitative methods, computer applications, research ethics and review of published research in the relevant field, training, field work, etc. Other course(s) shall be advanced level course(s) in the relevant subject/discipline.

Under all four Faculties, the Ph.D Dissertation shall be of 32 credits. A certificate for fulfillment of total credit hours completed by a candidate (which shall not be less than 40 credits and shall not exceed 48 credits) shall be issued by the Registrar on the authentication from the Secretary of the concerned Faculty Council, only after recommendation of the award of the Doctorate Degree by the viva voce examiners as per clause 27(v) below.

Examinations of the Ph.D. course work shall be conducted by the office of the Controller of Examinations of this University as per the provisions laid down under 20(vi) below.

iv) A fee determined by the University shall be paid by a registered candidate for appearing at the examination for the course(s) mentioned above.

v) 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. On the basis of work-in-progress presentation by a candidate, the six monthly progress reports shall be prepared and submitted by the Research Advisory Committee to the Dean of the Faculty concerned.

vi) Examination Rule for Course-work

Students shall not be awarded any class or rank on the basis of course-work examination. There will be no supplementary examination for any course. Students who fail to qualify in any course/paper shall be eligible to appear for the same courses/papers in the regular semester examination in

subsequent corresponding semester. No student shall be permitted to take any end semester examination more than two times.

1. Faculty of Arts

- 1.1 Each 4-credit course in the one-semester course-work shall be evaluated out of 50 marks, comprising internal assessment of 20 marks and end semester examination of 30 marks. At least fifty percent of end semester examinations in the entire programme must be in the form of written end semester examinations. For not more than fifty percent of the courses, the end semester examination may be in the form of term paper or any other form as prescribed by the Board of Studies and/or approved by the Doctorate Committee. The mode of evaluation in such cases may be decided by the Board of Studies, subject to the approval of the Faculty Council of Arts.
- 1.2. Students will be required to obtain at least 50% in each paper/course in order to be declared passed. But, to continue in the Ph.D. programme, a student must obtain at least 55% in aggregate.
- 1.3. If a student is declared pass in all papers in the Ph.D. course work by obtaining at least 50% marks in each paper, but fails to obtain 55% in aggregate, he/she shall be eligible to appear in a Qualifying Examination to be held within six months of publication of final results. He/she may opt for appearing in any one or all of the papers in the Qualifying Examination by surrendering the marks obtained by him/her in that/those paper/papers, and the marks obtained in the Qualifying Examination shall be final. A candidate can appear in Qualifying Examination only once.

2. Faculty of Science

- 2.1 Students will be required to obtain at least 55% of aggregate marks in each paper/course in order to be declared passed in that paper/course.
- 2.2 Students who fail to qualify in any course/paper shall be eligible to appear for the same courses/papers in the regular semester examination in subsequent corresponding semester. Each paper may consist of multiple units, groups, sections and if the candidate fails to obtain 55% of aggregate marks in a paper, the candidate has to reappear in the examination for all the units /groups/sections of that paper.

3. Faculty of Engineering & Technology

- 3.1. Students will be required to obtain at least 55% of aggregate marks or grade point of 6.25 in 10-point scale (as per AICTE norms) in each paper/course in order to be declared passed in that paper/course.

4. Faculty of Interdisciplinary Studies, Law & Management (FISLM)

- 4.1. Doctorate Committee of FISLM shall decide on the basis of subject relevance regarding the mode of evaluation, which may include internal assessment of not more than 40 per cent for each course/paper. At least fifty percent of end semester examinations in the entire programme must be in the form of written end semester examinations. For not more than fifty percent of the courses, the end semester examination may be in the form of term paper or any other form as prescribed by the Research

Committee of the School/Department subject to the approval of the Faculty Council of ISLM.

- 4.2. Students will be required to obtain at least 50% in each paper/course in order to be declared passed. But, to continue in the Ph.D. programme, a student must obtain at least 55% in aggregate.
- 4.3. If a student is declared pass in all papers in the Ph.D. course work by obtaining at least 50% marks in each paper, but fails to obtain 55% in aggregate, he/she shall be eligible to appear in a Qualifying Examination to be held within six months of publication of final results. He/she may opt for appearing in any one or all of the papers in the Qualifying Examination by surrendering the marks obtained by him/her in that/those paper/papers, and the marks obtained in the Qualifying Examination shall be final. A candidate can appear in Qualifying Examination only once.

Supervision

- 21.i) Any regular Professor of Jadavpur University with at least five research publications in refereed journals and any regular Associate/Assistant Professor of the university with a Ph.D. degree 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 university may relax the above condition for recognition of a person as Research Supervisor with reasons recorded in writing.

- (ii)(a) Only a full time regular teacher of Jadavpur University 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 university or from other related institutions with the approval of the Research Advisory Committee.

Co-supervisor(s) from within the department/school who is a full time regular teacher of the University may also be appointed by the Ph.D. Research Committee of the Department/School concerned, subject to satisfying the criteria as laid down under 21(i) above and 21(iv) below, on the recommendation of the Research Advisory Committee of a student in specific cases where specialized nature of research requires supplementing the expertise of the Research Supervisor concerned.

(b) The allocation of Research Supervisor for a selected research scholar shall be decided by the Department concerned depending on the number of scholars per Research Supervisor, the available specialization among the Supervisors and research interests of the scholars as indicated by them at the time of interview/viva voce.

(c) Subsequent to allocation of supervisor to a candidate and formation of the Research Advisory Committee (RAC) for his/her research work, if the RAC feels that the inter-disciplinary/ specialized nature of Ph.D. research of the candidate requires supplementing expertise from within/outside the department/School, then it may recommend to the Ph.D. Research Committee of the Department/School concerned for appointment of a Co-supervisor from within/outside the Department/School/Faculty/University on such terms and conditions as may be specified and agreed upon by the consenting Institutions/Colleges.

On the recommendation of Ph.D. Research Committee or any other appropriate body of the affiliated colleges/institutions, full time teachers employed there in substantive post (subject to fulfillment of academic qualification as per clause 21(i) above and intake capacity as per clause 21(iv) below) may be appointed by the Doctorate Committee of the concerned faculty of the university to act as Research Supervisor independently for students admitted to the Ph.D programme of such colleges/institutions as approved by the university.

Similarly, in case the Ph.D. programme of an institution is approved by and affiliated to the university as per the provisions laid down under Clause 29 below, full time regular teachers employed there in substantive post (subject to fulfillment of academic qualification as per clause 21(i) above and intake capacity as per clause 21(iv) below) may be appointed by the Doctorate Committee of the concerned faculty of the university to act as Research Supervisor independently for students admitted to the Ph.D programme of such institutions.

iii) The Doctorate Committee of each Faculty will constitute a Ph. D. Research Committee for every Department / school and Research Advisory Committee for each and every admitted Ph.D. scholar. The composition and powers and functions of these committees shall be as follows:

(A) **Ph. D. Research Committee for Departments / Schools** shall be composed of the following members:

- a) Head of the Department / Director of the School concerned as chairman.
- b) Elected member of the Doctorate Committee from the department / Joint Director of the School
- c) Supervisor(s) concerned
- d) 4 (four) subject experts of whom at least one must from outside the department / school and one must be from outside the University, nominated for a maximum period of four years
- e) Secretary, Faculty Council concerned – Convener

If the incumbent Head of the Department / Director of the School concerned is himself/herself a registered Ph.D. student of this university, he/she is shall not be the Chairperson of the committee and shall be an ex-officio member of the committee till such time he/she is awarded the degree.

The term of each nominated member of the Ph.D. Research Committee of the Department/School shall be three (3) years from the date of approval by the Doctorate Committee concerned

Powers and Functions of the Ph. D. Research Committee for Departments / Schools shall be as follows:

- (1) It shall select candidates against number of pre-determined vacancies and recommend to the Doctorate Committee concerned for approval of their admission to the Ph.D. programme;
- (2) ascertain and recommend waiver from Ph.D. course-work, wherever applicable;
- (3) assign Research Supervisor and Co-Supervisors as per the provisions laid down under 21 (ii) and 21 (iii) above;
- (4) Nominate subject experts for Research Advisory Committee for a student concerned

- (B) **Research Advisory Committee for each admitted Ph.D. scholar** shall be composed of the following members:
- a) Chairperson of the Ph.D. Research Committee of the Department/School concerned or his/her nominee from within the Department/ School, as Chairperson of the concerned RAC
 - b) At least one and at most two subject experts (who may be from outside the concerned department/school) to be nominated by the Ph.D. Research Committee of the Department/School concerned in consultation with the Research Supervisor
 - c) concerned Research Supervisor as Convener
 - d) concerned Co-supervisor(s) as member(s), wherever applicable

Powers and Functions of the Research Advisory Committee for Departments / Schools shall be as follows:

It shall

- (1) review the research proposal, finalize the topic and title of research work/Ph.D. thesis, and forward its recommendation to the Doctorate Committee of the Faculty concerned for registration of the same;
- (2) 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.
- (3) periodically review and assist in the progress of the research work of the research scholar.
- (4) to assess and evaluate research progress of the Ph.D. scholar concerned on the presentation given by him/her before the Committee on the progress of his/her work once in six months, and provide further guidance.
- (5) submit the six monthly progress reports to the Dean of the concerned Faculty through the Chairperson of the Ph.D. Research Committee of the Department/School on the basis of presentation made by the Ph.D. scholar concerned. A copy of the report shall be given to the research scholar.
- (6) recommend extension of the period of registration subject to the satisfaction of criteria as laid down under clause 19(v) above.

The Research Advisory Committee may also recommend cancellation of registration of the Ph.D. scholar concerned as per provisions under clause 19(vii) above.

21(iv) A Research Supervisor/Co-supervisor who is a Professor, at any given point of time, cannot guide more than three Eight (8) Ph.D. scholars. An Associate Professor as Research Supervisor can guide up to a maximum of six (6) Ph.D. scholars and an Assistant Professor as Research Supervisor can guide up to a maximum of four (4) Ph.D. scholars.

Submission of thesis

22. i) A registered candidate shall have to work for a minimum period of three years after the date of registration. If the Supervisor / RAC certifies that the thesis embodies at least three years' work, then the Doctorate Committee may permit a candidate to submit his/her thesis one year after the successful completion of coursework, but not before two years from the date of registration subject to satisfying the criteria as laid down under 22(ii) below.

ii) A student must have at least one publication in a refereed journal and made two paper

presentations in conferences/seminars out of his/her doctoral research work, or at least two publications in a refereed journal and made one paper presentations in conferences/seminars, prior to submission and examination of his/her thesis, and shall produce evidence for the same in the form of acceptance letter or offprint and presentation certificates.

iii) Before final submission of the thesis a student who has satisfactorily completed the course work following clause 20(iii), must present his/her work at a meeting of the Research Advisory Committee as constituted under 21(iii). Such presentation shall be open to all faculty members and other research scholars. Any suggestion may be suitably incorporated under the advice of the supervisor(s).

23 (i) **Deleted.**

(ii) **Deleted**

(iii) **Deleted.**

24.i) The thesis shall be an original contribution to knowledge, and must bear evidence of the candidate's having carried out individual investigations in her/his chosen field.

iii) S/he shall state in the preface the proposition on which the work is based and how the work contributes to the general advancement of knowledge. S/he shall also state the sources from which her/his information has been derived and shall indicate which portion(s) of her/his thesis s/he claims as her / his original contribution.

The Executive Council of the university shall evolve a mechanism using well developed software and gadgets to detect plagiarism and other forms of academic dishonesty. While submitting for evaluation, the dissertation/thesis shall have an undertaking from the research scholar and a certificate from the Research Supervisor and Co-Supervisor(s) 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.

iii) A candidate cannot submit as her/his thesis any work for which a degree or Diploma or other academic award has been conferred on her/him by this University or any other University or Institution.

25. i) The fee for submitting a thesis for examination will be as determined by the University from time to time.

ii) A registered candidate shall have to submit four hard copies (the number may be determined separately in case of joint supervision) and one electronic copy of the thesis embodying the results of the research s/he has carried out together with four copies of the synopsis of the thesis. The copies of the thesis should be submitted to the Registrar together with a receipt of the fees paid to this University for this purpose.

iii) The fee so paid is not refundable.

iv) Proof of the candidate's fulfillment of other requirements shall also be submitted at this time.

v) The Executive Council shall have the power to revoke any Ph.D. degree conferred duly if

the candidate is subsequently proved guilty of plagiarism, falsification / copying of data / information or any other form of academic or ethical malpractice.

Examination of thesis

26.i) The Doctorate Committee shall approve names of six persons, at least three of whom must be from outside the state of West Bengal, who are well known authorities on the subject for appointment as examiners of a thesis by considering the list submitted by the Supervisor(s). Such examiners shall neither be teachers of this University nor persons who are supervising candidates for the PhD degree registered at this University.

ii) A Board of Examiners, consisting of the supervisor(s) under whose guidance the candidate worked, and two external experts from the panel of external experts approved by the Doctorate Committee of the Faculty concerned as laid down under 26(ii) above, of which at least one external expert shall be from outside the state of West Bengal, shall be nominated by the Vice Chancellor and appointed by the Executive Council.

iii) External examiners will be requested to state their opinion in the prescribed form that has the following options:

- “(a) The candidate may be awarded the PhD degree of the University
- (b) The candidate may be awarded the PhD degree of the University provided that the following modifications are addressed in a separate addendum. The Examiners present at the viva voce must certify that the modifications are satisfactorily addressed, failing which the thesis must be resubmitted after addressing the suggested modifications.
- (c) The candidate may be awarded the PhD degree only after addressing the following questions and resubmitting the thesis.
- (d) The candidate not be awarded the PhD degree of this University.”

A detailed report must also be submitted and signed by the external examiners.

iv) A thesis which has been directed to be resubmitted by the examiners may be submitted again after due revision, modification or alteration but not earlier than three months from the date of communication of the recommendation to the candidate and a fee shall have to be paid at the time of resubmission as decided by the University. The Board of Examiners appointed under 26(ii) will examine the resubmitted thesis again. A thesis may be resubmitted only once.

v) If there is a difference of opinion in the recommendations (clauses 26 (iv) (d) above) of the external examiners, all the reports and the thesis will be sent to a third external examiner appointed by the Doctorate Committee, who will act as special adjudicator and her/his recommendation will be considered as binding.

vi) If both the external examiners rejects the thesis (clause 26(iv)(d) above), it shall not be further processed for award of the PhD degree of this University and it will be considered as rejected.

vii) If all the external Examiners are of the opinion that the candidate may be awarded the degree, or in case of a favourable opinion of the special adjudicator, s/he shall be asked to appear at a viva voce examination.

Viva Voce Examination

27.i) There shall be an open viva voce examination for which notice should be issued 15 days before the examination and teachers of all faculties shall be invited to attend the examination. Other interested persons may also attend.

In cases of exigency, on the basis of written application by the supervisor of the Ph.D. student concerned, the Dean of the Faculty concerned may allow viva voce examination to be conducted after 7 days from the date of issue of notice for the same.

ii) From the panel of external examiners as recommended by the Doctorate Committee, the Vice Chancellor shall nominate and the Executive Council shall appoint one person who is not a teacher of this University and is a well-known authority on the subject, and the Supervisor(s) of the candidate, as examiners for the viva voce examination. In case the Supervisor is not available, the University shall appoint another examiner in her/his place.

In the event of a Ph.D. candidate proceeding abroad after submission of the thesis, a competent scholar in the field abroad may be appointed as an examiner for the open viva voce as a special case with the approval of the Vice Chancellor.

(iii) The examiners at the viva voce examination may ask questions beyond the subject of the thesis in order to satisfy themselves that the candidate has adequate knowledge of the particular branch of the subject on which s/he has submitted the thesis. If there is an addendum as mentioned under 26 (iv), the examiners will certify that it is satisfactory.

iv) If the examiners are not satisfied, the candidate may be directed to appear again at the viva-voce examination after six months. Such a candidate shall pay an additional fee duly determined by the University.

v) The degree will be awarded by this University if the examiners of the viva voce examinations are of the opinion that the candidate is a fit person to receive the degree.

Honorarium

The members of the Board of Examiners shall be paid an honorarium as may be determined from time to time by the University for the examination of the thesis and the oral examination separately.

Honorarium will be paid to the examiners at the same rate as mentioned above for re-examination of the thesis.

Registration of Candidates under Supervisors who are not teachers of Jadavpur University

29. i) The Executive Council may identify research institutions from where the teachers may independently supervise candidates registered in their own Ph.D. programmes for the degree of Ph.D. of Jadavpur University subject to fulfillment of criteria as laid down under 21(ii)(c).

ii) The research institute and/or Ph.D. programme of a research institute shall only be recognized by Jadavpur University if said institute does not confer Ph.D. degrees independently. Research institute and provided that the research institute satisfies the following criteria:

- (a) The concerned research institute has 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
- (b) In case of science and technology disciplines, the concerned research institute has exclusive research laboratories with sophisticated equipment as specified by Jadavpur University with provision for adequate space per research scholar along with computer facilities and essential software, and uninterrupted power and water supply;
- (c) The concerned research institute has 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.

Ph.D. programme of an Institute/college affiliated to Jadavpur University as per the Jadavpur University Statute must also satisfy all the above mentioned criteria in order to be recognized by Jadavpur University for award of Ph.D. degree.

iii) When an institute or its Ph.D. programme, or the Ph.D. programme of an affiliated college/institute is thus identified by the Executive Council of this University, the institute must follow the rules and regulations of this University regarding the Ph.D. programme as laid down above.

iv) The Head / Director of the Institute must forward the selected candidate's application form for registration to the Ph.D. programme of this University.

v) The Research Advisory Committee as constituted for department / unit as per provisions laid down under clause 21 (iii) above by the concerned research institute or the affiliated college/institute will conduct the interview, review the title and scheme of work and conduct pre-submission presentation of the candidate and forward its report to the Doctorate Committee.

Cancellation of Registration

30.(i) The candidate may apply to the Registrar for cancellation of registration stating reasons, and such application, preferably forwarded by the Supervisor(s) must be placed and recorded at the meeting of the Doctorate Committee. If approved, the candidate's registration will be cancelled.

ii) A candidate's registration may also be cancelled by the University if the candidate does not fulfill above criteria. In such cases, the Supervisor(s) may recommend to the Registrar for cancellation of his/her registration. The application shall be placed at the meeting of the Doctorate Committee and the candidate will be notified in writing the decision taken by the Doctorate Committee.

Depository with INFLIBNET:

31. Following the successful completion of the evaluation process and before the announcement of the award of the Ph.D. degree(s), the university shall submit an electronic copy of the Ph. D. thesis to the INFLIBNET, for hosting the same so as to make it accessible to all Institutions/Colleges.