

**ORDINANCE GOVERNING THE AWARD
OF THE DEGREE OF
DOCTOR OF PHILOSOPHY/VIDYĀVĀRIDHI
(2009)**



**BANARAS HINDU UNIVERSITY
VARANASI – 221 005**

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I. INTRODUCTION	
1.1	These Ordinances shall be called the Doctor of Philosophy/Vidyāvāridhi Ordinances, 2009 and shall come into force from the date the Executive Council approves them.
1.2	The degree of Doctor of Philosophy/Vidyāvāridhi (herein after referred to as the Ph. D. degree) of the Banaras Hindu University shall be conferred on the candidates who fulfils the requirements as specified in these ordinances.
1.3	The Ph.D. degree conferred by the Sanskrit Vidya Dharm Vijnan Sankaya shall be known as Vidyāvāridhi.
1.4	A list of disciplines in which Ph. D. degrees are conferred under various Faculties of the University is given in <i>Annexure – A</i> .
1.5	Reservations: 15% of the total number of available seats shall be reserved for SC candidates, 7.5% for ST candidates, 27 % for OBC Candidates (initially under staggered implementation plan during the period 2008-09 to 2010-11) and 3% horizontal reservation for Physically Challenged (PC) candidates: Visual Impaired (1%) + Hearing Impaired (1%) + Orthopaedically Handicapped (1%).
	Note for 'Physically Challenged' Candidates: In certain Courses/Departments/ Faculties (like Faculty of Agriculture, Department of Physical Education), admission of Physically Challenged candidates is not permissible. Details may be sought from the Controller of Examinations. The number of seats reserved for SC/ST/OBC categories shall be reduced proportionately if number of qualified candidates is less. The vacant seats reserved for SC/ST/OBC candidates, if any, shall be filled as per Government of India rules.
	<p>Each SC/ST/OBC candidate shall have to submit a copy of the Certificate mentioning that the candidate belongs to SC/ST/OBC community. Such certificates shall be subject to verification from the concerned District Magistrate. The following are empowered to issue the certificate:</p> <p>(a) District Magistrate/Additional District Magistrate/Collector/Deputy Commissioner/Addl. Deputy Commissioner/ Deputy Collector/ 1st Class Stipendiary Magistrate/City Magistrate/Sub-Divisional Magistrate/ Taluka Magistrate/ Executive Magistrate / Extra Assistant Commissioner.</p> <p>(b) Chief Presidency Magistrate/Addl. Chief Presidency Magistrate/Presidency Magistrate.</p> <p>(c) Revenue Officer not below the rank of Tehsildar.</p> <p>(d) Sub-Divisional Officer of the area where the candidate and/or his/her family normally resides.</p> <p>(e) Administrator/Secretary to the Administrator/ Development Officer (Lakshadweep Islands).</p> <p>Candidates must note that Certificate from any other persons/authority shall not be accepted in any case. Further, 'General category' includes all candidates other than those belonging to SC, ST or OBC. If the candidate belongs to SC, ST or OBC, his/her caste/tribe must be listed in the appropriate Govt. of India schedule. The caste Certificate should be in the Govt. approved format and should clearly state: (a) Name of his/her caste/tribe (b) Whether he/she belongs to SC/ST/OBC (c) District and the State or Union Territory of his/her ordinary residence and (d) the appropriate Govt. of India Schedule under which his/her caste/tribe is approved by it as SC, ST or OBC. Further, the OBC certificate should clearly mention that the candidate does not belong to creamy layer.</p>

II. APPLICATION FOR ADMISSION	
II.1	There shall be two semesters of six months each in a year for the Ph. D. programme, namely, Odd Semester: September- February (July- December for Faculties of Agriculture and Engineering and Technology) and Even Semester: March – August (January- June for Faculties of Agriculture and Engineering and Technology)
II.2	A candidate may be admitted for the Ph. D. programme at the beginning of any semester provided the result of the qualifying examination is declared before the commencement of counselling for admission to the semester and he/she fulfils the eligibility criteria laid down in these ordinances.
II.3	The admission to the Ph. D. programme shall be either through the Research Entrance Test (RET) or through direct admission as per Clause IV of these ordinances. The application form shall be the same for both these types of candidates. The candidates who are eligible for direct admission as per Clause IV.1 (b) shall indicate in the form that they are exempted from RET.
II.4	The candidates shall submit the duly filled in application form to the Controller of Examinations on or before the last date announced by the University.
II.5	All applications of the candidates belonging to the categories of the Clauses IV.1 (b) (iii) to (x) shall be routed through proper channel.
III. QUALIFYING EXAMINATIONS AND MARKS	
III.1	<p>A candidate, seeking admission to the Ph. D. programme in a Faculty, shall be required to have</p> <p>(a) passed the qualifying examination in concerned main/ allied discipline securing the minimum percentage of marks, as prescribed in <i>Annexure – B</i></p> <p>(b) secured a minimum of 50 marks in academic record which shall be calculated as follows: $M = 45 (X_1 + 0.6 X_2 + 0.25 X_3 + 0.15 X_4)/100$, where postgraduate degree is considered as the qualifying examination and $M = 90 (X_2 + 0.4 X_3 + 0.3 X_4)/100$, where undergraduate degree is considered as the qualifying examination, where, M = Marks for the academic record, which shall be an integer. Any fraction in 'M' shall be rounded off to the nearest integer. X_1 = Percentage of marks obtained at the post-graduate examination, X_2 =Percentage of marks obtained at the under-graduate examination, X_3 =Percentage of marks obtained at the intermediate/higher secondary examination, and X_4 =Percentage of marks obtained at the high school examination.</p> <p>(c) obtained not more than one III division or equivalent grade point average in his/her academic career.</p>
III.2	There shall be a relaxation of 5% marks (or equivalent grade point average) for SC/ST and PC candidates in the minimum marks required in the qualifying examination. The minimum marks required for SC/ST and PC candidates in the Academic Record shall be 45 and for OBC candidates 47.50, respectively. However, a Physically challenged (PC) candidate belonging to either of the reserved categories (SC/ST/OBC) shall not get the double benefit of being SC/ST/OBC as well as PC in the above relaxations.
IV. MODE OF ADMISSION	
IV.1	A candidate who has passed the qualifying examination with requisite percentage of marks as prescribed in Clause III of these ordinances is eligible for admission to the Ph. D. programme

through one of the following modes:

(a) Admission through RET:

- (i) A candidate qualified in RET as per the details given in Clause VII.1 (a) shall be considered for admission to the Ph. D. programme depending on the number of seats available in a department/school.
- (ii) The prospective number of seats available shall be notified at the time of counselling by the department/school. The number of candidates to be called for counselling will depend upon the number of seats in the department/school.
- (iii) The Controller of Examinations shall conduct RET once in a year the results of which shall remain valid for one academic year (two semesters).
- (iv) RET shall not be conducted for the candidates having engineering background seeking admission to the faculty of Engineering and Technology. They will be considered for Direct Admission only, provided they fulfill the prescribed requirements for Direct Admission.

(b) Direct Admission:

A candidate who fulfils one of the following requirements may be considered for direct admission to the Ph. D. programme without appearing in the RET:

Amended Clause IV.I.(b).(i) vide Academic Council ACR No.22 dated 07.03.2011 and Executive Council ECR No.13 dated 15.03.2012.

"A candidate who is qualified in a national level test such as National Eligibility Test (NET-JRF), NET-LS (without fellowship), Graduate Aptitude Test for Engineering (GATE) [For the Faculty of Engineering and Technology only], State Level Eligibility Test (SLET) accredited by UGC, Central or State Government.

Note: However, a research scholar earlier admitted under CRET exempted category (NET-LS/GATE) could be extended BHU research fellowship, subject to fulfillment of following conditions, without any break in continuity of his/her research work done as a CRET exempted enrollee:

- a) They are not getting any financial support/ fellowship from any other source;**
- b) he/she publishes at least one research paper in peer refereed journals after his/her enrollment as Ph.D. scholar in the University (out of the research work generated as a Ph.D. scholar);**

OR

he/ she gets short-listed in the CRET conducted by the University.

c) The award of fellowship shall be only for the remaining period (to be calculated based on the BHU Research fellowship scheme) and shall commence from the month following the one in which either of the aforesaid conditions [4(b)] is fulfilled by the scholar."

- (ii) A candidate who is a recipient of National Doctoral Fellowship or other fellowships from government/semi-government organizations (through All-India selection procedure conducted by the agency/ organisation for award of research fellowships) such as Council of Scientific and Industrial Research (CSIR), University Grants Commission (UGC), All India Council for Technical Education (AICTE), Department of Science and Technology (DST), Defence Research and Development Organization (DRDO), Department of Atomic Energy (DAE), Department of Biotechnology (DBT), Indian Council of Agricultural Research (ICAR), Indian Council of Medical Research (ICMR), Ayurveda Yoga Unani Siddha Homeopathy (AYUSH) and similar National Level Organizations.

- (iii) A candidate who is selected under Quality Improvement Program (QIP) of AICTE, Faculty Development Programme of a State Government or of UGC.
- (iv) An employee of any other university/ institution/ college/ government department/ public sector undertaking/ R & D organization/ private industry, who is sponsored as a full-time candidate by the said organisation, with at least 2 years of experience and who is relieved on study leave for a period of not less than two years for pursuing Ph. D. programme in a Department/ School of the University.
- (v) A foreign national who is a recipient of fellowship by Indian Council for Cultural Relations (ICCR), Government of India and who is sponsored by his/her government.
- (vi) A self-financing foreign national who is admitted through the Embassies/High commission of his/her country or admitted under a MoU with due clearance from the Indian Missions abroad. As per revised guidelines/ instructions of the Department of Higher education, MHRD, GOI on grant of research visa, the foreigners who desire to undertake research in India, should therefore, apply to the concerned Indian Missions abroad with the brief synopsis of the research project to be undertaken in India, the details of places to be visited, previous visits, whether the scholar has secured admission into a recognized or reputed institution and evidence of financial resources.

Note: 1. The equivalence of the degree possessed by the foreign candidates belonging to the Clauses IV.1 (b) (v) and (vi), shall be settled by the equivalence committee of the concerned faculty before their admission. They shall be admitted to the Ph. D. programme only if the degree possessed by them entitles them for enrolment as Ph. D. scholars in the universities of their own countries.

2. The supernumerary quota for self-financing foreign nationals shall be restricted to a maximum of 15% of the total available seats in a Department/ School.

- (vii) A candidate who is already registered as a Ph. D. scholar in some other university and whose supervisor joins this University.
- (viii) A candidate [employee or a research scholar {qualifying the criteria laid at para IV.1 (b) (i) or (ii) above}] of any other university/ institution/ college/ government department/ public sector undertaking/ R & D organization/ private industry, who is sponsored as a full-time candidate by the said organisation, with at least 2 years of experience, who shall work for his/her Ph. D. in his/her parent organization fulfilling the residency period requirement prescribed in Clauses VIII.3 (c) and (d) of these ordinances.

The candidate is required to submit a sponsorship and work experience certificate from the parent organization.

The non-degree awarding institutions, government departments, public sector undertakings, R & D organizations and the private industries are only those, which are recognized as centers of research by the University as specified in *Annexure – C*.

- (ix) A candidate occupying senior management position in a government department/ public sector undertaking/ R & D organization/ private industry (of repute), which is not recognised as centre of research by the University, may be admitted to the Ph.D. programme with the approval of the Vice Chancellor provided he/she has at least 05 years of professional experience and is sponsored as a part-time candidate by the said organisation and the concerned DRC is convinced that the candidate can effectively pursue his/ her Ph.D. work in his/her parent organization fulfilling the residency period requirement prescribed in Clauses VIII.3 (c)-(e) of these ordinances. The candidate is required to submit a sponsorship and work experience certificate from the parent organization.
- (x) A candidate, working in an externally funded research project in the University as a research personnel, may be allowed to register for Ph.D. in the University provided he/she publishes at least one research paper in peer refereed journals after joining the project

	<p>(out of the research work generated in the project) or he/ she gets short-listed in CRET conducted by the University. Provided further that in such cases, the consent of the PI and the supervisor (in case PI is not the supervisor) is available to the effect that the research work of the Project and that of the Ph.D. are overlapping and/or working in both simultaneously will not hamper the interest of either.</p> <p>(xi) A teacher of the University or of the constituent / affiliated colleges of the University holding substantive post (including those on probation)</p> <p>(xii) A non-teaching employee of the University holding substantive post (including those on probation.)</p> <p>(xiii) Candidates holding P.G. degree (D.M./M.Ch.) in super-specialty subjects in the Departments of Faculty of Medicine.</p>									
V. CLASSIFICATION OF THE CANDIDATES										
V.1	<p>A candidate admitted to the Ph. D. programme in a Department/School shall be classified under any one of the following categories:</p> <p>(a) Full-time Research Scholar A candidate who has been admitted to the Ph. D. programme through RET (except those referred to in Clause V.1 (c) (ii)), or by direct admission based on the eligibility criteria mentioned in Clauses IV.1 (b) (i) to (vii) and (xiii) shall be referred to as a full-time research scholar.</p> <p>(b) Internal Part-time Research Scholar A candidate who has been admitted directly to the Ph. D. programme based on the eligibility criteria mentioned in Clauses IV.1 (b) (xi) and (xii) shall be referred to as an internal part-time research scholar.</p> <p>(c) External Part-time Research Scholar (i) A candidate admitted directly to the Ph. D. programme, as per Clause IV.1 (b) (viii)-(ix) shall be referred to as an external part-time research scholar.</p> <p>(ii) A candidate working in a non-degree awarding institution recognised as a centre of research by the University as specified in annexure C, and admitted to the Ph.D. programme through RET shall also be permitted to work as an external part-time research scholar, who shall work for his/ her Ph.D. in his/ her parent organisation fulfilling the residency period requirement prescribed in clause VIII.3 (c) and (d) of these Ordinances.</p>									
VI. RESEARCH COMMITTEES										
VI.1	<p>Subject to the general superintendence of the Academic Council, the following Committees shall deal with all matters connected with the Ph.D. programme of the University in accordance with these ordinances:</p> <p>a) The Research Degree Committee of the University (RDCU)</p> <p>b) The Departmental/School/Centre Research Committee (DRC/SRC/CRC)</p> <p>c) The Research Programme Committee (RPC)</p>									
VI.2	<p>The RDCU shall consist of the following:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 5%;">i)</td> <td style="width: 70%;">Vice-Chancellor</td> <td style="width: 25%;">Chairman</td> </tr> <tr> <td>ii)</td> <td>Rector</td> <td>Member</td> </tr> <tr> <td>iii)</td> <td>Director of the Institute (in the case where the faculty is associated with an institute)</td> <td>Member</td> </tr> </table>	i)	Vice-Chancellor	Chairman	ii)	Rector	Member	iii)	Director of the Institute (in the case where the faculty is associated with an institute)	Member
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ii)	Rector	Member								
iii)	Director of the Institute (in the case where the faculty is associated with an institute)	Member								

	<ul style="list-style-type: none"> iv) Dean of the faculty Member v) Heads of the Departments and Coordinators of the Schools/ Centres of the Institute/Faculty Members vi) Members of the concerned DRC/SRC/CRC Members vii) Supervisor and Co-Supervisor (if any) of the concerned Ph. D. scholar Member(s) viii) Emeritus Scientists/ Emeritus Professors/ Visiting Professors/ Honorary Professors/ Adjunct Faculty (if any) in the concerned Faculty Special Invitees ix) Registrar Secretary <p>In the case of Faculties consisting of a single department, at least two Heads of the Departments from sister faculties, as recommended by the Dean of the concerned faculty, shall also be the members of the RDCU.</p> <p>As the Secretary, the Registrar shall convene all the meetings of the RDCU.</p>
VI.3	<p>The DRC/SRC/CRC shall consist of the following:</p> <ul style="list-style-type: none"> i) Head of the Department/Coordinator of the School/ Centre Chairman ii) All Professors & Research Scientists "C" of the Department/School/ Centre + All Professors of the concerned discipline of the MMV Member iii) One Reader + One Lecturer of the Department/School/ Centre, according to seniority, by rotation every two years and senior most Research Scientists "B and A" of the Department / School/ Centre + a senior most faculty member (Reader/Lecturer) of the concerned discipline of the MMV. Members iv) Supervisor and Co-Supervisor (if any) of the concerned Ph. D. scholar Member (s) v) Emeritus Scientists/ Emeritus Professors/ Visiting Professors/ Honorary Professors/ Adjunct Faculty (if any) in the concerned Department/ School/Centre Special Invitees <p>Where there are three or less than three teachers in the Department/ School/ Centre, the DRC/SRC/CRC shall consist of the following:</p> <ul style="list-style-type: none"> i) The Dean of the concerned faculty Chairman ii) All teachers of the Department / School/Centre Members iii) A senior teacher of a sister Department/School nominated by the Dean in consultation with the Head of the Department/ Coordinator of the School Members iv) For independent centres, clause iii) above shall be substituted by "four senior-most teachers imparting teaching of the discipline at PG level". In case the Centre does not conduct any teaching program at PG level, the Dean of the concerned Faculty shall nominate 04 senior Members

	<p>teachers of departments having affinity to the research areas of the Centre.</p> <p>The DRC/SRC/CRC shall appoint one of its members as Secretary and Convener.</p> <p>The DRC/SRC/CRC shall have powers to co-opt such members of the teaching staff of the concerned/sister Department/School as may be helpful to them in their deliberations.</p> <p>In the case of faculties consisting of a single department, a senior teacher of a sister faculty recommended by the Dean of the concerned faculty shall also be a member of the DRC/SRC/CRC.</p>															
VI.4	<p>The RPC shall consist of the following:</p> <table border="0"> <tr> <td>i)</td> <td>Supervisor of the concerned Ph. D. Scholar</td> <td>Chairman</td> </tr> <tr> <td>ii)</td> <td>Co-supervisor (if any) of the concerned Ph. D. Scholar</td> <td>Member</td> </tr> <tr> <td>iii)</td> <td>A nominee of the Chairman of DRC/SRC/CRC</td> <td>Member</td> </tr> <tr> <td>iv)</td> <td>One expert in the field from the Department/School</td> <td>Member</td> </tr> <tr> <td>v)</td> <td>One or two experts from an outside Department/School of the faculty</td> <td>Member(s)</td> </tr> </table> <p>Experts mentioned in Clauses VI.4 (iv) and (v) above shall be nominated by the supervisor of the candidate and approved by the DRC/SRC/CRC.</p> <p>In the case of faculties consisting of a single department, Clause VI.4 (v) shall not be applicable.</p>	i)	Supervisor of the concerned Ph. D. Scholar	Chairman	ii)	Co-supervisor (if any) of the concerned Ph. D. Scholar	Member	iii)	A nominee of the Chairman of DRC/SRC/CRC	Member	iv)	One expert in the field from the Department/School	Member	v)	One or two experts from an outside Department/School of the faculty	Member(s)
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iv)	One expert in the field from the Department/School	Member														
v)	One or two experts from an outside Department/School of the faculty	Member(s)														
VI.5	<p>A teacher who is not eligible to guide a Ph. D. scholar as per Clause IX.1 (l) or due to not satisfying the conditions laid down in Clause IX.1 (d) read with Clause IX.1 (k) or the one referred under Clause IX.3 (c) of these ordinances cannot become a member of any of the research committees mentioned above.</p>															
VI.6	<p>The DRC/SRC/CRC and RPC shall not make any recommendation that is not in conformity with these ordinances and/or such other directives as may be issued by the RDCU and/or the Academic Council in regard to the Ph. D. programme from time to time.</p>															
	VII. Admission															
	<p><u>Amended Clause VII vide Academic Council ACR No.12 dated 14.07.2012 and Executive Council ECR No.54 dated 29.07.2012.</u></p>															
VII.1	<p>Eligibility for RET:</p> <p>(a) A candidate possessing the minimum qualifications with the requisite percentage of marks and academic record as prescribed in Clauses III.1 and 2 of these ordinances shall be eligible to appear in the RET.</p> <p>(b) If a candidate is an applicant and also eligible for admission to Ph. D. programme in a faculty different from the one in which he/she has obtained the qualifying degree, he/she shall appear in the RET conducted by the faculty corresponding to the subject in which the candidate possesses the qualifying degree.</p> <p>(c) In addition, a Senior Resident/Service Senior Resident of the Faculty of Ayurveda and the Faculty of Medicine shall also be eligible to appear in the RET, subject to fulfilling other eligibility conditions.</p>															

	(d) The RET shall be conducted by the Controller of Examinations normally in the month of June every academic year, the results of which shall be declared ordinarily by the second week of July.
VII.2	<p>Procedure for Admission to Ph.D. programme through Research Entrance Test (RET)</p> <p>a) All admissions to Ph.D. programmes in the University will be through an All India Research Entrance Test (RET). In order to identify the scholastic capabilities and aptitude for research, there will be three levels of tests as below:</p> <p>(i) Test A: Test to assess Logical and Analytical Capability</p> <p>(ii) Test B: Test to assess Subject Knowledge Test</p> <p>(iii) Test C: Research proposal and Personal Interview to test aptitude for research</p> <p>b) Tests A and B will be held on a single day at multiple centres across the country while the Test C will be held at BHU in the concerned Department/School/Centre.</p> <p>c) Certain categories of candidates, as defined in the relevant Ph.D. Ordinances [Clause IV.1.(b)], are exempt from appearing at Tests A and B (RET-exempt category), but would be required to qualify at Test C to be eligible for consideration for registration for Ph.D. in the given discipline. The RET-exempt categories of applicants are also required to submit application in the prescribed form as and when the applications are invited by the University.</p> <p>d) RET will be conducted once a year before the July/September term. However, RET-exempt candidates will have another opportunity to apply for Ph.D. admission in the January/March term.</p>
VII.3	Test Design of RET
VII.3.1	Test A: Assessment of Logical and Analytical Capability
	<p>a) This written test is aimed to assess the logical and analytical thinking, quantitative ability, general knowledge, knowledge of computer usages, and language skills</p> <p>b) Test A would be common across Faculties and would be organized by the Office of the Controller of Examinations and will be treated as preliminary screening test so that only those candidates who qualify Test A, would be eligible for further consideration.</p> <p>c) This test will have a total of 60 MCQs (one statement with four unambiguous alternative answers from which the candidate would select the best option) distributed as follows:</p> <p>(i) 10 questions for testing logical thinking</p> <p>(ii) 10 questions for testing quantitative ability</p> <p>(iii) 10 questions for testing general knowledge</p> <p>(iv) 10 questions for testing awareness of computer usages</p> <p>(v) 20 questions for testing language skills (this Test will include three subsets of 10 questions each relating to knowledge of Hindi, English and Sanskrit, respectively, of which the candidate may answer any two subsets (10+10 questions in any two languages)</p> <p>d) This test will be of 60 min duration and 180 total marks.</p>

	<p>e) Each question will carry 03 (three) marks for correct answer and 01 (one) negative mark for a wrong answer.</p> <p>f) A candidate must secure a minimum of 30% marks (54 marks in aggregate) in this paper to be eligible for further consideration. The said benchmark of 30% marks should not be relaxed.</p> <p>g) No scrutiny/revaluation of the answer books of the RET shall be allowed.</p> <p>h) The MCQs shall be designed to test the logical and analytical capabilities of the candidate, rather than memory power.</p> <p>i) Questions in this test will generally be at a level equivalent to class X (CBSE)</p>
VII.3.2	TEST B: Assessment of Subject Knowledge
	<p>a) This Test would focus on assessing the knowledge of the candidate in the discipline in which he/she has done his/her P.G. However, to provide an opportunity for inter-disciplinary research, a candidate can opt for admission into an allied discipline by appearing in the RET of related main discipline. A candidate can give a choice of maximum 5 (including the main and allied) disciplines at the time of submission of application. The operational arrangement would be as follows:</p> <p>(i) A candidate shall appear generally in the RET of the discipline in which he/she has done his/her Post Graduate Course.</p> <p>(ii) However, in such cases, where RET is not conducted in the candidate's discipline at PG level but the said discipline is an "Allied Subject" to one of the main disciplines in which RET is conducted, he/she shall appear in the RET for the said main discipline.</p> <p>(iii) Further, in such cases, where RET is not being conducted in the candidate's discipline at PG level (for a particular academic session) and the said discipline is an allied subject to more than one main disciplines in which RET is being conducted (in the said academic session), he/she may opt for RET in a discipline which is closest to his/her P.G. discipline in his/her opinion.</p> <p>(iv) However, in cases at para (ii) and para (iii) above, mobility of candidates to other disciplines would be restricted to only such disciplines where candidate's main discipline (in which the candidate holds the qualifying degree) is an allied subject.</p> <p>(v) Further, the maximum number of admissions that can be given in a main discipline to candidates from allied discipline shall be 30% of the vacancies in the main discipline. However, if in any discipline, the Vacancies are not filled up due to lack of candidates from the main discipline, students from the allied discipline may be admitted, if otherwise qualified.</p> <p>b) Duration of this test will be 120 min (2 hr) and it will carry 200 total marks. This test will be conducted in conjunction with the Test – A test.</p> <p>c) There will be 40 MCQ type questions (total 120 marks), with 03 (three) marks each for correct answer and 01 (one) negative mark for a wrong answer. In addition, there will be 10 (ten) short answer questions (SAQ), of which any 05 (five) questions may be answered. Each questions will carry 16 (sixteen) marks (total 80 marks). Each of the SAQ should be adequately answerable within 150-200 words in the space provided in the answer sheets.</p> <p>d) Out of the 40 MCQ type questions, 10 (ten) will cover different disciplines in the</p>

	<p>concerned Faculty while the remaining 30 (thirty) will cover the various areas in the given discipline. The Faculty level MCQs would be at a level equivalent to class XII in the given area, while the discipline MCQs and SAQs will be based on the PG syllabus followed at BHU in the given discipline. These should cover all areas in the discipline equitably.</p> <ul style="list-style-type: none"> e) The MCQs and SAQs will be designed to examine understanding and analytical ability. The short answers will, in addition, also examine the expression power, language skill and writing ability. f) Test B of the test would be checked and marked only if the candidate qualifies in Test A of the test. g) A candidate must secure at least 30% marks in the Test B to be eligible for further consideration. This benchmark of 30% marks shall not be relaxed. h) No scrutiny/revaluation of the answer books of the RET shall be allowed. i) Among those qualifying the Test B, a maximum of three times the number of vacancies announced in a given discipline will be eligible to appear at Test C. These will be identified strictly on the basis of merit order at Test B.
VII.3.3	Test C: Research proposal and Interview
	<ul style="list-style-type: none"> a) This Test will be conducted in the concerned department/school/centre by an Interview Board to be appointed for the purpose and will carry a total of 100 marks for its two components, viz., writing a one page research proposal (30 marks) followed by personal interview (70 marks). b) The concerned Head/Coordinator of department/school/centre shall inform all RET qualified and RET-exempt candidates, as per the list received from COE, the place and date/s for Test C. A list of all eligible teachers in the department/school/centre, together with their research interests, will also be sent to all the candidates while intimating them the place and date/s of Test C. c) All the candidates called for this Test, will be required to write, on the spot, a one page (A4 size) research proposal of their choice in 30 min and submit the same to the HOD/COS/COC. The Research proposal need not be related to the work that the candidate may actually carry out if registered for Ph.D. This would essentially be a hypothetical research proposal wherein the candidate will provide a title and write the objective/s, methodology and the likely addition to knowledge by the proposed research. This would not be longer than 500 words. d) The Interview Board will examine the Research proposal submitted by the candidate and ask questions relating to it and other questions, including those relating to the area in which the candidate expects to undertake research, if selected, to test his/her scholastic competence for research in the discipline. e) A candidate applying in more than one disciplines, will appear at Test C separately in each of the disciplines in which he/she has applied and qualified. The dates for Test C may be suitably adjusted/staggered in different disciplines. f) Candidate must secure a composite index [sum of Academic Record (calculated as per formula provided in the Clause III.1 (b). of these Ordinances) and marks obtained at Test C] of at least 75 to be eligible for Ph.D. registration in the discipline.

VII.4	Admission:
VII.4.1	Final merit order after Test C:
	<ul style="list-style-type: none"> a) Final merit order shall be based on the composite index comprising of Academic Record (calculated as per formula given in the Ph.D. Ordinances) plus marks obtained by a candidate in Test C. The final merit order will not take into account the marks obtained by a candidate in the Test A or Test B. b) Separate Merit orders of RET (including candidates from main and allied disciplines) and RET-exempt candidates will be prepared by the Interview Board for the discipline. c) Candidate must secure a composite index of at least 75 to be eligible for Ph.D. registration in the discipline. Meeting the said minimum composite index requirement will not guarantee registration for Ph.D.
VII.4.2	Admission Process
VII.4.2.1	Declaration of Results after Test C
	<ul style="list-style-type: none"> a) Names of as many RET candidates as the number of vacancies given in the Information Bulletin will be announced on the basis of Final Merit Order after Test C for admission to Ph.D in the discipline. An equal number of wait-listed candidates (in order of merit) will also be prepared for consideration in case seats remain vacant. b) Names of all RET-exempt candidates who are declared qualified after Test C will be separately announced in the Merit Order.
VII.4.2.2	Allotment of Ph.D. Supervisor
	<ul style="list-style-type: none"> a) The Head/Coordinator of the Department/School/Centre will provide a list of teachers together with their research areas to the RET and RET-exempt selected candidates and advise them to interact with potential Supervisors in the discipline and submit letter of consent of the identified Supervisor to the DRC/SRC/CRC within one week. b) As many RET-exempt candidates who qualified after the Test C can be admitted to Ph.D. in the discipline if Supervisors are available/agreeable. For those qualifying under the RET category, the maximum number will ordinarily be restricted to the number of vacancies announced in the RET bulletin. c) If required, DRC/SRC/CRC should help in identifying a suitable "match" between the selected candidate and Ph.D. supervisor (and Co-Supervisor/s, if required). d) The DRC would formally allot a Ph.D. supervisor (and Co-Supervisor/s, if required) for the selected candidates keeping in view the mutual consent and the facilities available with the Supervisor for undertaking the proposed research topic. The DRC would record reasons for not admitting a candidate who ranks higher in the merit order than some others who may have been selected for registration for Ph.D. e) Those of the RET candidates who obtained a composite merit index of 75 and above but could not register in the July/Sept term, may be considered, subject to availability of vacancy, in the next Jan/March term. However, they will have to appear at the Test C again.

	<p>f) Candidates under the RET-exempt category, who could not be admitted in July/September term may be considered along with those who apply in response to the notification for admission in the January/March term and will be re-evaluated through Test C alongwith the fresh applicants under RET-exempt category and admitted, if selected, as above.</p> <p>g) In case a candidate fails to identify a mutually agreeable supervisor prior to commencement of any of the two terms of registration (September and March) during an academic session, he/she shall forfeit the opportunity of registration for Ph.D. against his/her application under RET for that year.</p>
VII.4.2.3	Admission and payment of Fees
	The Candidates will pay the required fees after their Supervisor (and Co-Supervisor/s if required) has/have been allotted by the concerned DRC/SRC/CRC. The process of admission completes only when a selected candidate has deposited the prescribed fees for Ph.D. registration.
VII.5	After the payment of fees, the candidate shall submit an application to the Head of the Department/Coordinator of the School/Centre giving the proposed topic of research. An external part-time candidate [as defined in Clause V.1 (c)] is required to submit the consent of the proposed external supervisor/co-supervisor along with the above application.
VII.6	The Head of the Department/Coordinator of the School/ Centre shall send a complete list of the admitted candidates along with the necessary details to the Registrar (Academic) with a copy to the Dean of the Faculty within a week from the date of admission.
VII.7	The records of the merit list of both the RET qualified candidates and those eligible for direct admission along with their application forms shall be maintained in the Department/School/Centre.
VII.8	Every candidate shall be registered only at the beginning of each semester which will continue till the submission of the Ph. D. thesis.
VII.9	No full-time Ph. D. scholar shall accept during the period of research any paid assignment apart from Research Fellowships, Research Assistantships, Senior Residentship / Service Senior Residentship/ externally funded research project assignments etc provided it is not detrimental to his/her research programme as determined by the DRC/SRC/CRC.
VII.10	A Ph. D. scholar shall not be permitted to join any other degree course. However, he/she may be permitted to join part-time Diploma or Certificate Course(s) by the DRC/SRC/CRC on the recommendation of the RPC provided it is not detrimental to his/her research programme.
VII.11	A candidate already possessing a Ph. D. degree of this or any other University shall be eligible to be admitted to the Ph. D. programme for an additional Ph. D. degree in a subject other than the subject in which he/she already possesses the Ph. D. degree. The admission of such a candidate will be at the discretion of the Vice-Chancellor, who, on the basis of specific recommendation and full justification by the DRC/SRC/CRC after considering relevant criteria such as, the synopsis of the proposed topic, relevance of the proposed topic and its relationship with the topic of the first Ph.D., etc. will take a final decision.
VIII. TIME PERIOD REQUIREMENTS	
VIII.1	Minimum period of research work required for the submission of thesis

	<p>(a) The minimum period of work required for submitting the thesis for the full-time candidates admitted to the Ph. D. programme except those admitted under Clause IV.1 (b) (vii) shall be as follows:</p> <p>(i) For candidates who are admitted to the Ph. D. programme in any department of a faculty, with Master's degree in a subject from the same faculty as qualifying degree, the minimum period of research work before the submission of the thesis shall be two years from the date of his/her admission.</p> <p>(ii) For candidates who are admitted to the Ph. D. programme in any department of a faculty, with Bachelor's degree in a subject from the same faculty as qualifying degree, or Master's/Bachelor's degree in a subject from a different faculty as qualifying degree, the minimum period of research work before the submission of the thesis shall be three years from the date of his/her admission.</p> <p>(b) For the candidates admitted under Clause IV.1 (b) (vii), the minimum period of research work before the submission of the thesis shall be the maximum of any one of the following periods:</p> <ol style="list-style-type: none"> i. one year from the date of his/her joining this university, or ii. three years taking into account the period spent earlier in the previous institution, or iii. the period required for completing the course work wherever the course work is a part of the Ph. D. programme. <p>(c) The minimum period of research work before submitting the thesis for all part-time candidates, except those admitted under provisions of clause IV.1(b).(ix) admitted to the Ph. D. programme in any faculty shall be three years.</p>
	<p>(d) The minimum period of research work before submitting the thesis for part-time candidates admitted under provisions of clause IV.1(b).(ix) in any faculty shall be four years.</p>
	<p><u>Amended Clause VIII.2 vide Academic Council ACR No.18 (iv) dated 05.03.2012 and Executive Council ECR No.32 dated 15.03.2012 .</u></p>
<p>VIII.2</p>	<p>Maximum Period for the Submission of Thesis</p> <p>(a) If a candidate fails to submit the thesis at the end of the stipulated period as prescribed in Clause VIII.1, the Head of the Department/Coordinator of the School, with the recommendation of the RPC and the DRC/SRC/CRC, may grant an extension of up to two years (one year at a time) for the submission of the thesis.</p> <p>(b) If a candidate fails to submit the thesis within the extended period as stipulated in Clause VIII.2 (a) due to cogent reasons, he/she may be given additional two years (one year at a time) of extension for submitting the thesis, by the Dean of the faculty, on the recommendation of the RPC and the DRC/SRC/CRC, such that the total period for the submission of the thesis counted from the date of his/her admission does not exceed six years. For the candidates admitted under Clause IV.1 (b) (vii), this period of six years is counted taking into account the period spent in the previous institution also.</p> <p>(c) Under extraordinary circumstances, the RDCU may grant a further extension of two years for the submission of the thesis, for which the candidate shall apply giving the reasons due to which he/she was not able to submit the thesis and his/her application is duly forwarded and recommended by the concerned RPC and the DRC/SRC/CRC. No further extension shall be given under any circumstances.</p>

VIII.3	<p>Residency Period</p> <p>(a) A Ph. D. Scholar shall be required to be present in the University for a prescribed period, which is known as the Residency Period.</p> <p>(b) For the candidates of all categories except for the external part-time research scholars, the residency period shall be the same as the period a research scholar takes for the submission of the thesis without exceeding the total time frame provided in these ordinances.</p> <p>(c) For an external part-time research scholar (except those admitted under provisions of clause IV.1(b).(ix)), the residency period shall be of at least one week per semester or the minimum period required for completing the course work wherever the course work is a part of the Ph. D. programme, whichever is more. Such candidates would be required to deliver at-least two open seminars to evidence the progress of research made by them.</p> <p>(d) For an external part-time research scholar [those admitted under provisions of clause IV.1(b).(ix)], the residency period shall be of at least one week per semester during the minimum time period for submission of thesis. Such candidates would be required to deliver at-least two open seminars to evidence the progress of research made by them.</p>
VIII.4	<p>The DRC/SRC/CRC may recommend a full-time Ph.D. scholar to pursue a part of his/her research work at a place out side the University. The Dean of the concerned Faculty may approve such recommendations of DRC which are for a period of six months or less. However, if such recommendations are for a period beyond six months, the recommendations of the DRC would be placed before the RDCU, which may permit a full-time Ph. D. scholar to pursue a part of his/her research work at a place outside the University without exceeding the maximum time limit for the submission of the thesis laid down in these ordinances.</p>
<p>IX. SUPERVISORS AND CO-SUPERVISORS</p>	
	<p><u>Amended Clause IX vide Academic Council ACR No.18 (iv) dated 05.03.2012 and Executive Council ECR No.32 dated 15.03.2012 .</u></p>
IX.1	<p>Appointment of Supervisors and Co-Supervisors:</p> <p>(a) Every candidate, prior to admission to the Ph. D. programme (payment of Fee) shall be assigned a Research Supervisor, by the DRC/SRC/CRC of the concerned Department/ School/Centre in the manner laid at Clause VII.4.2.2 of these Ordinances. The DRC may, if necessary, assign a Co-Supervisor, in the same manner.</p> <p>(b) The external part-time research scholar shall normally have one supervisor from the University (Internal) and another from the parent organization (External), where the candidate will be carrying out the research work (such candidate will submit a certificate from the External Supervisor to the effect that the candidate did work under the external supervisor during the period). If there is a need, there can be an internal co-supervisor and an external co-supervisor, from the university and the sponsoring organization respectively. The internal and external supervisors/co-supervisors shall consult each other in all matters pertaining to the progress of the work of the candidate.</p> <p>(c) In case a candidate is permitted to do a part of his/her research work at a place outside the University for a period of one semester or more, the person who will be looking after the research work of the candidate at the outside organization shall be appointed as an external supervisor by the concerned DRC/SRC/CRC.</p> <p>(d) The permanent faculty members (including those appointed on probation and who have guided at-least one Ph.D. student earlier) of the concerned department/school with Ph.D. degree shall be eligible to be appointed as supervisors and co-supervisors.</p>

	<p>(e) Scientists/Scientific Officers/Research Officers / Research Fellows, who are appointed for a period of not less than 5 years under research projects in the University and who hold Ph. D. degree shall also be eligible to guide Ph. D. scholars. The teachers of the University, who are appointed against the above posts are also eligible to guide Ph. D. scholars provided they hold lien on their substantive posts and are otherwise qualified to guide Ph. D. scholars.</p> <p>(f) If a teacher working in a department different from his/her specialization wishes to guide a candidate in the subject in which the teacher holds the Ph. D. degree, he/she may be appointed as the supervisor/co-supervisor of the candidate. However, the candidate shall be admitted only in the main department corresponding to the subject of the research of the candidate, in accordance with the normal procedures laid down for admission in Clause VII.</p> <p>(g) Emeritus Professors /Scientists/Fellows appointed by the University or any national organization, shall be eligible to guide Ph. D. scholars, provided their tenure of appointment left in the University as emeritus professor/scientist/fellows is for a period not less than two years at the time of enrolment of research scholar(s).</p> <p>(h) A faculty member on retirement may continue to be the supervisor, if he/she is reemployed or appointed as Emeritus Professor/Scientist/ Fellow on retirement.</p> <p>(i) A faculty member who is due to retire within the next two years can be appointed as a supervisor and can continue to be the supervisor even after his/her retirement provided the DRC/SRC/CRC are convinced of his/her availability for continued guidance to the candidate.</p> <p>(j) A teacher who has retired/ resigned from the University service may continue to be the supervisor, if the research scholar has fulfilled the minimum period requirement for the submission of the thesis as per Clause VIII.1.</p> <p>(k) Notwithstanding Clause IX.1 (d), a permanent/retired faculty member or an Emeritus Professor/Scientist/Fellow employed in a department/school who does not possess a Ph. D. degree may be allowed to become a supervisor/co-supervisor on the recommendation of the DRC and approval by the Vice-Chancellor, provided he/she is engaged in research for at least five years as evidenced by publications in peer reviewed/reputed journals or he/she has supervised at least two dissertations at the Master's degree level.</p> <p>(l) The teachers of the University, who are enrolled as Ph. D. scholars in the University or in any other Institute/University, shall not be entitled to guide a Ph. D. scholar. Those, appointed as supervisors, would cease to be supervisors if they get enrolled for Ph. D.</p> <p>(m) In case where the supervisor of the candidate is appointed in a sister department of the University, provision for transfer of candidates pursuing research under his/her supervision in the earlier department shall be available provided the candidate opts for it and the DRC's of the concerned department agree to the proposed transfer. However, the research scholar, subsequent upon transfer, shall be governed by the ordinances of the faculty / department to which he/she is transferred.</p>
IX.2	<p>Quota of Ph. D. Scholars</p> <p>(a) The maximum number of candidates who can be supervised by a faculty member at any time shall be as follows:</p> <p style="padding-left: 40px;">by a Professor – 8,</p> <p style="padding-left: 40px;">by a Reader – 6, and</p> <p style="padding-left: 40px;">by a Lecturer – 4.</p> <p>(b) In case a co-supervisor is also appointed, the candidate shall be counted towards the quota</p>

	<p>of both the supervisor and the co-supervisor.</p> <p>(c) All research scholars including the teachers registered for Ph. D. except those referred in Clause IX.2 (b) shall be counted within this quota till they submit their theses.</p> <p>(d) The teachers of the University shall also be permitted to guide Ph. D. Scholars admitted in other Universities, provided that</p> <p>(i) there is a vacancy with the guide under whom the candidate intends to work</p> <p>(ii) the sponsoring university seeks prior permission in the matter and</p> <p>(iii) the concerned DRC/SRC/CRC approves it.</p>
IX.3	<p>Appointment of A New Supervisor</p> <p>(a) If the supervisor of a candidate proceeds on leave for a period of more than 12 months, or he/she proceeds on leave for a period of less than 12 months, but later extends his/her leave beyond 12 months, then, he/she shall cease to be the supervisor.</p> <p>However, if the candidate submits the abstract of the thesis or the thesis itself before the supervisor proceeds on leave, then the existing supervisor shall continue to be the supervisor.</p> <p>(b) If the supervisor of a candidate expires or is terminated from the University service, he/she shall cease to be the supervisor.</p> <p>(c) If the supervisor of a candidate is under suspension, he/she shall cease to be the supervisor during the entire period of his/her suspension.</p> <p>(d) If a teacher, except for the one governed by the Clauses IX.1 (h), (i) and (j), retires/resigns from the University service, he/she shall cease to be the supervisor.</p> <p>(e) In all the cases, where the existing supervisor of a candidate ceases to be the supervisor, the DRC/SRC/CRC shall appoint the co-supervisor, if any, as the supervisor of the candidate, provided the co-supervisor is from the same discipline. If there is no co-supervisor for the concerned candidate or the co-supervisor is from a different discipline, then the DRC/SRC/CRC shall appoint a new supervisor.</p>
X. COURSE WORK	
	<p><u>Amended Clause X.1 vide Academic Council ACR No.18 (v) dated 05.03.2012 and Executive Council ECR No.32 dated 15.03.2012 .</u></p>
X.1	<p>A candidate, admitted to the Ph. D. programme in any of the faculties, shall be required to undertake course work for a minimum period of one semester and shall have to qualify as per the criteria prescribed by the concerned faculty. The course work shall <i>inter alia</i> include a course on research methodology (which may contain quantitative methods and computer applications) and reviewing of published research work in the relevant field. The candidate shall pursue the courses as advised and approved by the concerned RPC and approved by the DRC/SRC/CRC. Such courses may be from the same Faculty where the scholar is enrolled or from other Faculties depending upon the nature of research area.</p>
X.2	<p>The details of the courses, course credits and other related matters, which are not provided in these Ordinances, shall be determined in accordance with the ordinances of the concerned faculties. However, there would not be any attendance requirement in Course Work for the research scholars registered on part-time basis thereby meaning that course work for them would be on self-learning mode.</p>

X.3	The courses offered for the Ph. D. programme may be lecture, laboratory, design and self-study courses, mini projects and seminars. Each of these courses shall be of post-graduate or doctoral level.
X.4	After completing the course work, the candidate shall appear in a comprehensive examination. However, there will be no grading system in course work. The pass mark for each course work component, requiring writing of an examination, would be 40% and the research scholar meeting the above criteria would be declared to have successfully completed the course work component.
X.5	Such course work components, which are experiential, the satisfactory completion would be determined by the RPC through oral presentation by the scholar. The research scholar would be declared to have successfully completed such course work component on the recommendation of the RPC.
X.6	The system of giving course work credit to a teacher registered for Ph.D., as a part-time candidate, and credit transfer for candidates working in outside institutions shall be governed as follows:
X.6.1	Such teachers (registered as a part-time research scholar) who have the experience of teaching the course work component assigned to him/her for a period of more than five years, will have the option to either appear in the examination or present a detailed seminar related to the said course work component to the satisfaction of the Department Research Committee. If the DRC considers that the teacher has adequate knowledge of the course work component it would recommend the teacher to have completed the said component of the course work successfully.
X.6.2	In case of an experimental course work component, the part-time research scholars will have the option to perform that laboratory work either in BHU or at their place of work in parent organization or any other laboratory recognized by the Research Progress Committee/Departmental Research Committee. In that case the said laboratory shall furnish a certificate to the effect that the candidate has been exposed to requisite hours of laboratory work (as per the course curriculum/ credit requirement) and such candidates would be required to demonstrate laboratory skills on the BHU Campus before the RPC for assessment/ examination.
X.6.3	If a research scholar has already cleared a course component, suggested to him/her as part of the course work, from any other institution during two years preceding the year of Ph.D. registration in BHU, credit of clearing the said course work component may be given, for the purposes of satisfactory completion of course work component assigned to him/her, on the recommendation of RPC and DRC.
X.7	Keeping in view that foreign scholars come from different educational background and environment, they shall not be insisted to write examinations and rather their assessment of having adequate knowledge in the course work components could be only based on three open seminars to be delivered by them before the DRC, which would make appropriate recommendations on the subject.
XI. PERFORMANCE EVALUATION	
XI.1	Progress Report: (a) The DRC/SRC/CRC and RPC shall monitor the academic/research progress of each candidate. For this purpose, the candidate shall submit a progress report on a prescribed proforma in triplicate, at the end of each semester to the RPC through his/her supervisor and

	<p>co-supervisor, if any.</p> <p>(b) The candidate shall present the progress of his/her research work through a seminar and the RPC shall evaluate the progress made by the candidate and submit its recommendations to the concerned DRC/SRC/CRC.</p> <p>(c) The Chairman of the DRC/SRC/CRC shall forward the progress report with specific recommendations to the Registrar (Academic) with a copy to the Dean.</p> <p>(d) Progress of a candidate in any semester shall be deemed to be unsatisfactory if the candidate is absent for a period more than that specified in Clause XII.</p> <p>(e) The candidate shall submit progress reports for each semester till the submission of the thesis. The last progress report of the candidate shall be submitted to Registrar (Academic), in the manner prescribed, within three days of submission of thesis.</p> <p>(f) A candidate, who is belonging to Clause IV.1 (b) (vii) and has been admitted to the Ph. D. programme, shall submit a certificate from the Head of the Department of earlier institution for the period for which he/she has done the research work in that institution. He/she shall also submit a detailed report of the work he/she has carried out in the earlier institution certified by his/her former Head. However, for the remaining period of research in this University, he/she shall submit progress reports at the end of every semester till the submission of the thesis.</p>
XI.2	<p>Research Plan Proposal</p> <p>(a) At the end of the second semester (to be read as "On commencement of the third semester" for the research scholars enrolled in the Faculty of Engineering and Technology), the candidate shall submit to the RPC, a research plan proposal generally consisting of preamble, definition of the problem, approaches, results anticipated and references, in about 8 to 10 pages along with his/her second progress report. The proposal shall also indicate the topic of the research, although not necessarily the precise title of the thesis.</p> <p>(b) The RPC and the DRC/SRC/CRC shall examine the research plan proposal of the candidate and the candidate shall deliver a detailed seminar called "Research Plan Proposal Seminar" before the RPC and the DRC/SRC/CRC.</p> <p>(c) The RPC and the DRC/SRC/CRC, if satisfied with the research proposal and the seminar, shall approve the proposal and the topic of research, and shall forward its recommendation along with the second progress report of the candidate to the Registrar (Academic) with a copy to the Dean.</p> <p>(d) If the RPC and the DRC/SRC/CRC are not satisfied with the quality of the research plan proposal, the candidate shall submit a fresh proposal and deliver the seminar within a time limit specified by the DRC/SRC/CRC (not exceeding three months in any case), and a fresh evaluation shall be done. But, if only the seminar is unsatisfactory, the candidate shall deliver only the seminar again within one month.</p> <p>(e) If the candidate fails to submit the research plan proposal at the end of the second semester or the research plan proposal and/or the research plan proposal seminar of the candidate is/are not approved by the DRC/SRC/CRC even after complying with Clause XI.2 (d), the candidate's admission shall stand cancelled.</p>
XII. LEAVE AND ATTENDANCE	
XII.1	<p>Leave Rules</p> <p>(a) A Ph. D. scholar shall be eligible to avail a leave of 30 days in an academic year. He/she shall not be entitled for any inter-semester breaks, winter and summer vacations. However, he/she is entitled for an additional leave of up to 10 days on medical grounds in an academic year. The aforesaid leave provisions are cumulative. Further, male/female candidates shall be eligible for paternity/maternity leaves as per University rules once</p>

	<p>during their entire tenure as research scholars.</p> <p>(b) The leave shall be granted by the Head of the Department/Coordinator of the School/Centre on the recommendation of the supervisor/co-supervisor.</p>
XII.2	<p>Attendance Requirements</p> <p>(a) A candidate is required to sign on all working days of the faculty in an attendance register to be kept in the concerned Department/School/Centre, except when he/she is on duty/sanctioned leave as per the Clause XII.1 (a).</p> <p>(b) A candidate, who is pursuing course work as a part of his/her Ph. D. programme, is expected to have full (100%) attendance in each course. However, a maximum of 30% attendance may be condoned by the Dean of the concerned faculty for cogent reasons as per university rules.</p>
XII.3	The attendance requirements and leave rules shall be applicable to the external part-time research scholars also during their stay in the University
XIII. SUBMISSION OF THE THESIS	
XIII.1	<p>Pre-submission Seminar</p> <p>(a) On completion of the research work for the Ph. D. by a candidate, the supervisor shall organize a pre-submission seminar, in consultation with the Head of the Department/Coordinator of the School/Centre, to apprise the teachers and other research workers of the Department/School/Centre of the candidate's work and receive suggestions for improvement of the research work. The RPC and the DRC/SRC/CRC shall assess the work of the candidate through this seminar. If the RPC or the DRC/SRC/CRC is not satisfied with the quality of the work of the candidate, then the candidate shall do further work and deliver a fresh seminar after a definite period specified by the DRC/SRC/CRC.</p> <p>(b) The exact title of the thesis shall be as approved by the DRC/SRC/CRC after the pre-submission seminar.</p> <p>(c) If the DRC/SRC/CRC is satisfied with the pre-submission seminar of the candidate, the Chairman of the DRC/SRC/CRC shall forward the application of the candidate for submission of the thesis along with a certificate about the satisfactory completion of the pre-submission seminar (<i>Annexure – F</i>) and the exact title of the thesis to the Registrar (Academic) with a copy to the Dean. Any extended residency period left beyond the date on which the thesis is forwarded for submission, as aforesaid, shall be deemed to have been terminated on the said date.</p>
	<u>Amended Clause XIII.2 vide Academic Council ACR No.18 (iv) dated 05.03.2012 and Executive Council ECR No.32 dated 15.03.2012 .</u>
XIII.2	<p>Submission of the Thesis</p> <p>(a) The candidate is required to submit the thesis within six months from the date of his/her pre-submission seminar (without exceeding the maximum time limit for the submission of the thesis as laid down in Clause VIII.2), failing which he/she shall be required to deliver a fresh pre-submission seminar.</p> <p>(b) The candidate shall submit the thesis to the Registrar (Academic), duly forwarded by the Head of the Department/Coordinator of the School. While submitting the thesis, the candidate shall submit the following:</p> <ol style="list-style-type: none"> i. Four hard copies and one soft copy (in a CD) of the abstract of the thesis written in about 600 words describing the salient features of his/her investigation. ii. Four hard copies and one soft copy (in a CD) of the thesis in Hindi or English or any other language approved by the concerned DRC/SRC/CRC as per the format given in <i>Annexure – D</i>.

	<p>iii. A declaration by the candidate as per the format given in <i>Annexure – E</i>.</p> <p>iv. A course/comprehensive examination/pre-submission seminar completion certificate, wherever applicable, by the Head of the Department/ Coordinator of the School as per the format given in <i>Annexure – F</i>.</p> <p>v. A copyright transfer certificate as per the format given in <i>Annexure – G</i>.</p> <p>(c) The candidate may submit the copies of the <u>abstract (in hard and soft forms)</u> one month before the submission of the thesis in order to expedite the process of evaluation.</p> <p>(d) The candidate shall be required to have communicated/published in refereed journals, at least two research papers based on his/her research work before submitting the thesis. The reprints/proofs/pre-prints of the papers shall be attached at the end of the thesis. The evidence for submission/acceptance of the papers shall be submitted to the Office of the Deputy Registrar (Academic) at the time of submission of thesis.</p> <p>(e) The candidate shall also submit one copy each of the thesis and the abstract to the supervisor, co-supervisor, an external supervisor and an external co-supervisor, as the case may be.</p> <p>(f) No part of the thesis shall have been submitted for the award of any other degree or diploma of any university.</p> <p>(g) The thesis shall contain a copyright certificate at the beginning of the thesis on a separate page. A sample copyright format is given below: Copyright (c) Faculty of Engineering and Technology, Banaras Hindu University, Varanasi, India, 2009. All rights reserved.</p> <p>(h) A thesis once submitted cannot be re-submitted except when the examiner recommends for the revision of the thesis.</p> <p>(i) <u>The Academic Section shall send the thesis/abstract to the office of the Controller of Examinations within two working days after their submission.</u></p>
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XIV. EXAMINATION

	<p><u>Amended Clause XIV.1 - 4 vide Academic Council ACR No.18 (iv) dated 05.03.2012 and Executive Council ECR No.32 dated 15.03.2012 .</u></p>
<p>XIV.1</p>	<p>Panel of Examiners</p> <p>(a) The Supervisor shall propose a panel of examiners of at least eight experts from within the Country in the area of the Ph. D. thesis for consideration of DRC/SRC/CRC immediately after the pre-submission seminar of the candidate. However, the supervisor shall have the liberty to propose a panel of four foreign examiners, out of eight, if he considers appropriate.</p> <p>(b) The panel shall not include the names of the supervisor and co-supervisor. In the case of a research scholar who has done any part of his/her work in another institution, the panel of examiners shall not include any person working in that institution.</p> <p>(c) Complete and current addresses of all the examiners proposed in the panel with their e-mail addresses, telephone and FAX numbers shall be provided by the Supervisor.</p> <p>(d) The Panel of Examiners shall be considered and approved by the concerned DRC/SRC/CRC. If required, the DRC/SRC/CRC may modify the panel.</p> <p>(e) The Supervisor of the candidate/Chairman of DRC/SRC/CRC shall obtain prior</p>

	<p>written consent of all the members of the proposed panel of examiners with regard to inclusion of their names in the panel before forwarding it to the concerned Dean of the Faculty for appointment of Examiners.</p> <p>(f) Before forwarding the thesis/abstract to the Academic section of the University, the Head of the Department/Coordinator of the School/Centre shall ensure that the Board of Examiners has been constituted for the evaluation of thesis.</p>
XIV.2	<p>Board of Examiners</p> <p>(i) The Board of Examiners shall consist of two examiners.</p> <p>(ii) The panel of Examiners duly approved by the DRC/SRC/CRC, together with written consent (letter/e-mail/fax) of the panellists shall be sent by the Chairman of DRC/SRC/CRC to the Dean of the concerned Faculty, immediately after the pre-submission seminar of the candidate, for the appointment of the Board of Examiners from the panel with a copy endorsed to the Deputy Registrar (Academic) for records.</p> <p>(iii) The Dean of the concerned Faculty shall communicate to the Controller of Examinations two names of external examiners to function as Primary Board of Examiner, out of the panel approved by DRC/SRC/CRC, within three days of its receipt for evaluation of thesis. He shall also send another two names of examiners, out of the same panel, as supplementary Board of Examiner, which will be used in the event of denial of examinership/ no response from the examiners in the Primary Board of Examiner. A copy of said communication shall also be endorsed to the Deputy Registrar (Academic) for records.</p>
XIV.3	<p>The Controller of Examinations shall get in touch with each examiner over e-mail with a soft copy of the abstract to secure acceptance of the examinership apart from communicating through post. The said exercise shall be undertaken by the Controller of Examinations within three days of receipt of names of appointed examiners from the Dean of the concerned Faculty. However, in case, the soft copy of the abstract is received from the Academic Section subsequent to the receipt of names in the Board of Examiners from the Dean, the said exercise shall be completed within three days of receipt of soft copy of abstract.</p> <p>If no information is received from an examiner within 15 days period from first communication to the examiner, a reminder shall be issued. If, however, no information is received from an examiner within 30 days period from first communication to the examiner, his/her appointment shall be cancelled and a new examiner shall be appointed from the panel of names in the Secondary Board of Examiners. In case the Secondary Board of Examiner is exhausted, a new examiner shall be appointed from the panel of names in accordance with the Clause XIV.2.</p>
XIV.4	<p>Thesis Evaluation</p> <p>(a) The Controller of Examinations shall forward the copy of the thesis to the Examiners within three days of receipt of their consent and take necessary action to get the report of the examiner expeditiously. However, in case the Thesis is received from the Academic Section subsequent to the receipt of consent, the said exercise shall be completed within three days of receipt of Thesis.</p> <p>(b) The examiners shall be requested to submit their individual reports within two months of the receipt of the thesis.</p> <p>(c) In case, an examiner does not send his/her report within the above period, a reminder shall be sent to him/her over e-mail. This shall be followed by a subsequent reminder after a fortnight.</p> <p>(d) In the event of the report not being received from the examiner within 12 weeks,</p>

	<p>his/her examinership shall be cancelled and a new examiner shall be appointed from the panel of names in the Secondary Board of Examiners. In case the Secondary Board of Examiner is exhausted, a new examiner shall be appointed from the panel of names in accordance with the Clause XIV.2.</p> <p>(e) The examiners shall examine the thesis specifically with a view to judge whether the thesis is a piece of research work characterized by:</p> <p>(i) discovery of new facts, or</p> <p>(ii) a fresh approach towards interpretation of facts or theories, or</p> <p>(iii) a distinct advancement in the subject.</p> <p>(f) The examiner shall be required to give his/her opinion about candidate's ability for critical examination and sound judgment.</p>
XIV.5	<p>Examiner's Report</p> <p>(a) The examiners shall submit the report on a prescribed form as given in <i>Annexure – H1</i>, and shall make one of the following recommendations:</p> <p>i) The thesis be accepted for the award of the Ph. D. degree.</p> <p>ii) The thesis be accepted for the award of the Ph. D. degree subject to the candidate giving satisfactory answers, at the time of Viva-Voce, to the specific queries raised in the report.</p> <p>iii) The thesis, in the present form, cannot be accepted for the award of the Ph. D. degree, and the candidate be advised to revise the thesis on certain issues raised in the report and resubmit the thesis. In the case of resubmission, the examiner shall specifically mention whether the thesis must be referred back to him/her for re-evaluation or not.</p> <p>iv) The thesis be rejected.</p> <p>(b) If both the examiners recommend acceptance of the thesis for the award of the Ph. D. degree, the thesis shall be accepted.</p> <p>(c) If both the examiners recommend rejection of the thesis for the award of the Ph. D. degree, the thesis shall be rejected.</p> <p>(d) If the examiner(s) raise some queries/seek clarifications, the candidate shall be required to give satisfactory answers to the queries at the time of Viva-Voce.</p> <p>(e) If one or both the examiners recommend revision of the thesis, the candidate shall resubmit the thesis after revision. If a specific examiner asks for the revised thesis to be referred back to him/her, it shall be sent to him/her. Otherwise the revised thesis shall be assessed by the DRC/SRC/CRC for satisfactory compliance of the desired revision.</p> <p>(f) If the revised thesis is to be referred back to an examiner, the examiner shall submit his/her report on a prescribed form as given in <i>Annexure – H2</i>. The examiner shall recommend the revised thesis to be either accepted or rejected. Then depending on the recommendation of the other examiner, an appropriate action shall be taken as per Clauses XIV.5 (c), (d), (e), (f) or (h).</p> <p>(g) If one examiner recommends rejection of the thesis and the other recommends acceptance, then a third examiner shall be appointed as per Clause XIV.2 from the panel of already approved examiners. In such cases, Clause XIV. 5 (i) shall apply.</p> <p>(h) The third examiner, if appointed, shall be an Indian or a foreign expert, depending on whether the thesis was rejected by an Indian or a foreign examiner in the first instance. Once the third examiner is appointed, any previous recommendations of the examiner, in whose place the third examiner has been appointed, shall become null and void for all purposes.</p> <p>(i) In case the third examiner recommends acceptance or revision of the thesis or asks for clarifications, then depending on the recommendation of the other examiner (who has not</p>

	<p>rejected the thesis) an action appropriate to the case mentioned in Clauses XIV.5 (c), (e) or (f) shall be taken.</p> <p>(j) In case the third examiner recommends the rejection of the thesis, his/her recommendation shall be final and the thesis shall be rejected.</p>
XIV.6	<p>In the case of any ambiguous recommendations by any examiner, the Controller of Examinations shall approach the examiner concerned for a clear recommendation. If a clear recommendation is not forthcoming the matter shall be referred to the Vice-Chancellor for his/her decision.</p>
XIV.7	<p>After the reports from both the examiners are received, the Controller of Examinations shall inform the supervisor and co-supervisor (if any) for appropriate action.</p>
XIV.8	<p>Viva-Voce</p> <p>(a) If the thesis has been accepted for the award of the degree, the candidate shall be required to defend his/her thesis in a Viva-Voce, before a duly constituted committee hereinafter referred to as Viva-Voce Committee (VVC). The date, time and venue of the Viva-Voce with other necessary details shall be adequately notified so as to enable other faculty members and students to attend it.</p> <p>(b) The supervisor and the co-supervisor (if any), shall arrange for the Viva-Voce of the candidate as early as possible and normally within two months from the date of communication to them from the Controller of Examinations for conducting the Viva-Voce.</p> <p>(c) The VVC shall consist of the supervisor and the co-supervisor (if any), the Indian examiner who has evaluated the thesis and a nominee of the concerned DRC/SRC/CRC. The supervisor shall be the chairman of the VVC.</p> <p>(d) In the case of external candidates, the external supervisor and co-supervisor, if any, may be invited for the Viva-Voce as examiner(s).</p> <p>(e) In the case of non-availability of the Indian Examiner for conducting the Viva-Voce, the Vice-Chancellor may appoint another examiner.</p> <p>(f) In the case of inability of the Supervisor or Co-Supervisor to conduct the Viva-Voce due to any reason, the nominee of the DRC/SRC/CRC shall arrange to conduct the Viva-Voce. In such cases, the Ph. D. work shall be deemed to have been carried out under the guidance of the original supervisor/co-supervisor only.</p> <p>(g) The VVC shall be provided with the reports of all the examiners before the Viva-Voce.</p> <p>(h) The VVC shall submit a comprehensive report on the performance of the candidate at the Viva-Voce, including the discussions over various points raised. The VVC shall recommend one of the following:</p> <ol style="list-style-type: none"> i) that the degree be awarded, ii) that the candidate be re-examined in a second Viva-Voce, iii) that the degree be not awarded and the thesis be rejected. <p>(i) If the VVC recommends that the degree be awarded, the candidate shall submit two hardbound copies of the thesis incorporating corrections, if any, (along with 2 corresponding soft copy versions of the thesis in CDs), one for keeping in the Sayaji Rao Gaekwad library of the University and the other for the departmental library. The spare copies of the thesis may be returned to the candidate.</p> <p>(j) If the VVC recommends for a second Viva-Voce, it shall be conducted normally after a period of three months but within six months from the date of the first Viva-Voce.</p> <p>(k) If a candidate, after the submission of the thesis, has gone abroad (other than SAARC countries) and is not likely to return in near future and the reports of the examiners on the</p>

	thesis are unanimous without any major critical comments or corrections, the DRC/SRC/CRC may recommend the waiver of the Viva-Voce. However, if the examiners' reports need some points to be clarified/corrected by the candidate, these shall be communicated to the candidate for giving suitable reply, which shall be considered by the DRC/SRC/CRC. If the DRC/SRC/CRC is satisfied, it shall recommend to the RDCU for the waiver of the Viva-Voce.
XIV.9	<p>Review of Examiners' Report in case the Thesis is Rejected</p> <p>The Vice-Chancellor shall have the power to constitute an independent three-member review panel to investigate the cause of rejection of thesis. The review panel shall examine the research work and the examiners' report thereon to submit their findings to the Vice Chancellor for future improvements. It may also examine the matter to suggest as to whether the research scholar can further work on the same topic to rebuild his/her initial work and the correct course of action for achieving that and time frame needed for resubmission of his/her thesis without exceeding the total time period prescribed for submission of thesis in these Ordinances.</p>
XIV.10	<p>Award of the Degree</p> <p>(a) The reports of all the examiners and the VVC shall be placed before the concerned RDCU for consideration. In the case of unanimous recommendations, the RDCU shall approve the award of the Ph. D. degree provided the candidate produces 'No Dues Certificate' in a prescribed form. In all other cases the concerned RDCU shall take its specific decision based on the reports of the examiners as well as the VVC.</p> <p>(b) After the approval of thesis by the RDCU for the award of the degree, the provisional degree shall be issued to the candidate by the Controller of Examinations for which the candidate shall apply in a prescribed form by paying prescribed fee. The candidate concerned may also be given the examiners' reports after the approval of the thesis for which he/she shall apply separately. However, the examiners' reports in case of thesis rejected by examiners shall be treated as confidential document and shall not be disclosed.</p> <p>(c) The year of award of the Ph. D. degree shall be the same as the year of submission of the thesis, if the thesis is accepted without revision. If the thesis is recommended for revision, the year of award of the Ph. D. degree shall be the year of submission of revised thesis.</p> <p>(d) The Ph. D. degree certificate shall mention the title of the thesis, the discipline of research and the Department/ School in which the candidate was admitted for the Ph. D. programme.</p> <p>(e) After the approval of the thesis for the award of the degree, the abstract shall be published in the "Abstracts of Accepted Theses for the Ph. D. /Vidyāvāridhi Degree" of the Banaras Hindu University.</p> <p>(f) Once a thesis has been approved for the award of the Ph. D. degree, the candidate shall, in case of publication of the thesis in full or in part, state on the title page that it was a thesis approved for the award of the Ph. D./Vidyāvāridhi degree of the Banaras Hindu University, or based upon that thesis.</p>
	XV. FEES PAYABLE
XV.1	Fees payable by a candidate admitted to the Ph. D. programme shall be as prescribed by the University from time to time. The present fee structure for all categories of the candidates is given in <i>Annexure – I</i>
XV.2	Full fee, as applicable, shall be payable by the Ph. D. scholars for all the periods for which extension is granted.
XV.3	External part-time research scholars shall pay fees as per Table-1 of <i>Annexure – I</i> , during their residency period within the University. For the period during which they are carrying out

	research work in their parent organization, they shall pay the fees as per the details given in Table-2 of <i>Annexure – I</i> .
XV.4	The university employees and the teachers of the constituent and affiliated colleges of the University, who have been admitted as research scholars shall pay the fees as per Table – 3 of <i>Annexure – I</i> .
XV.5	If any candidate is already enrolled in the University, irrespective of whether he/she is a part-time or full-time research scholar, he/she shall be exempted from the enrolment fee.
XV.6	Fees once paid to the University shall not be refunded except the caution money, which shall be refunded to the Ph. D. scholar within one year from the date of award of the Ph. D. degree or cancellation of admission on any ground, subject to the adjustment of any dues payable by him/her. However, if the candidate leaves the Ph. D. programme or is terminated from the programme within one year of his/her admission, the caution money shall not be refunded.
XV.7	A waiver of 50% research and laboratory (if applicable) fees will be available for the following categories of Ph. D. scholars subject to their satisfactory performance: Full time research scholars not availing fellowship, Full-time sponsored candidates admitted under Clause IV.1 (b) (iv) and not availing any pay/scholarship from their sponsoring organization.
XVI. UNFAIR MEANS AND PLAGIARISM	
XVI.1	In case a Ph. D. candidate is found adopting or suspected of adopting unfair means or lifting of other's work and inserting it in his/her work without proper acknowledgement, credit and reference, such penal action shall be taken by the University as may be necessary to uphold the sanctity and the integrity of the examination system/research work, and the credibility of the University.
XVI.2	The University Standing Committee appointed by the Academic Council for this purpose shall take <i>suo-moto</i> cognizance of all such cases. Such cases may also be reported by any person to the Standing Committee or the Head of the Department/Coordinator of the School/Dean of the faculty/Vice-Chancellor who will forward the matter to the Standing Committee for its consideration and recommendation.
XVII. FINANCIAL ASSISTANCE	
XVII.1	Subject to the availability of fellowships, the Ph. D. candidates, who are admitted as full-time research scholars through RET would be entitled to BHU Research fellowship of such amount as may be decided by the Institute/Faculty/University and/or directed by the UGC/MHRD/Government of India from time to time. This award shall be strictly subject to the fulfilment of all the conditions governing such awards.
XVII.2	In addition to the BHU Research Fellowship, such candidates may also be entitled for contingency grant in accordance with the decisions of the University.
XVII.3	The maximum duration for which the BHU Research Fellowship can be awarded to any Ph. D. student is three years. The award shall be on year-to-year basis subject to the satisfactory academic and research performance and satisfactory performance in the discharge of responsibilities assigned to him/her under the scheme.
XVIII. CANCELLATION OF ADMISSION	
XVIII.1	The admission of a Ph. D. candidate shall be cancelled by the DRC/SRC/CRC in any one of the following eventualities: (i) If the candidate is absent for a continuous period of four weeks without prior information/sanction of leave.

	<p>(ii) If the candidate fails to renew his/her registration in any semester subject to the provisions contained in these ordinances.</p> <p>(iii) If two consecutive progress reports of the candidate are unsatisfactory.</p> <p>(iv) If the candidate's research plan proposal/research plan proposal seminar is/are not approved even after the submission of revised proposal/revised seminar.</p> <p>(v) If the candidate fails to submit the thesis within the maximum stipulated time as provided in these ordinances.</p> <p>(vi) If the candidate resigns from the Ph. D. programme and the resignation is duly recommended by the Supervisor.</p> <p>(vii) If the candidate is found involved in an act of misconduct and/or indiscipline and his/her termination has been recommended by the competent authority.</p>
XIX. TEMPORARY WITHDRAWAL FROM THE PROGRAMME	
XIX.1	<p>A candidate admitted to the Ph. D. programme may be permitted by the Dean of the faculty, on the recommendation of the RPC and the DRC/SRC/CRC to temporarily withdraw from the programme on some specific reasons, and later allowed to join back to complete the research and submit the thesis, without exceeding the maximum prescribed time limit for the thesis submission as per clause VIII.2. This withdrawal may be granted for whole or part of the semesters provided it does not affect the coursework. The temporary withdrawal may be permitted on any one of the following reasons:</p> <p>(i) If the candidate is suffering due to prolonged illness, supported by medical certificates.</p> <p>(ii) On the event of illness/death of candidate's parents/guardians/spouse.</p> <p>(iii) If the candidate gets a professional employment. In the case of a candidate who has to undergo course work as part of the programme, he/she shall be allowed to take up the job only after completing the course work.</p> <p>(iv) If a fulltime sponsored candidate after fulfilling the minimum period requirement for the submission of the thesis joins back his/her parent organization.</p> <p>(v) Any other event in which the Vice-Chancellor is convinced that the situation faced by the research scholar warrants his/her temporary withdrawal from the programme without exceeding the maximum time-limit provided in these Ordinances for submission of thesis.</p>
XIX.2	<p>During the period of withdrawal the candidate will not be required to pay any fee. However, fee already paid (temporary withdrawal involving part of a semester) shall not be refunded.</p>
XIX.3	<p>The residential requirement of the candidates, who are allowed temporary withdrawal, shall be automatically extended by a period equivalent to the duration of the withdrawal, without exceeding the maximum period laid down in Clause VIII.2.</p>
XX. CONCLUSION	
XX.1	<p>Notwithstanding anything contained in these Ordinances all categories of the candidates shall be governed by the rules and procedures framed by the Academic Council, and are in force at that point of time.</p>
XX.2	<p>From the date when these Ordinances come into operation all previous Ordinances on the subject shall cease to have effect.</p> <p>Provided that this revocation shall not affect the previous Ordinances so revoked or anything done or suffered under any previous Ordinances so revoked or affect any right, privilege, obligation or liability acquired, arrived or incurred under any Ordinances so revoked.</p>
XX.3	<p>Any doubt or dispute about the interpretation of these Ordinances shall be referred to the Vice-Chancellor, whose decision, in his capacity as the Chairman, Academic Council, shall be</p>

final.

The Vice-Chancellor has been authorized to,

- (a) modify, amend and/or delete any of the clauses given in the Ordinances or add any clause(s) to these Ordinances, which shall be reported to the Academic Council at its next meeting for approval.
- (b) order a special procedure for the evaluation of a Ph. D. thesis to protect the work of classified nature involving national security and sovereignty and/or to protect the intellectual property rights of the candidate, the supervisor and the University.
- (c) Relax any of the provisions laid in these Ordinances for handling circumstances not covered by these Ordinances.

ANNEXURE – A

(see Clause I.4)

**LIST OF DISCIPLINES IN WHICH Ph. D. DEGREES ARE CONFERRED
UNDER VARIOUS FACULTIES**

S. No.	Faculty	Disciplines in which Ph. D. Degrees are conferred
1.	Arts	Arabic, Bengali, Chinese, English, French, German, Hindi, Prayojan Moolak Hindi, Kannada, Linguistics, Marathi, Nepali, Pali & Buddhist Studies, Persian, Russian, Sanskrit, Tamil, Telugu, Urdu, Ancient Indian History, Culture & Archaeology, History of Art, Tourism Management, Philosophy, Indian Philosophy & Religion, Journalism & Mass Communication, Library & Information Science, Museology, Geography, Home Science, Mathematics, Statistics, Physical Education.
2.	Visual Arts	Applied Arts, Plastic Arts, Pottery & Ceramics, Painting, Textile Design
3.	Performing Arts	Vocal Music, Instrumental Music, Dance, Musicology.
4.	Social Sciences	Economics, History, Political Science, Sociology, Social Work, Psychology, Personnel Management and Industrial Relations
5.	Sanskrit Vidya Dharma Vijnan	Rigveda, Samveda, Shukla Yajurveda, Krishna Yajurveda, Vyakaran, Jyotish Ganit, Jyotish Falit, Dharma Shastra Mimansa, Sahitya, Jain Darshan, Buddha Darshan, Dharm Vijnan, Agam Tantra, Vedant, Sankhyayoga, Nyaya Vaisheshik, Prachin Nyay, Puranetihas.
6.	Science	Biochemistry, Bioinformatics, Biotechnology, Botany, Chemistry, Computer Science, Environmental Science, Environmental Science & Technology, Applied Microbiology Geography, Geology, Geophysics, Home Science, Mathematics, Molecular & Human Genetics, Physics, Psychology, Statistics, Zoology.
7.	Commerce	Commerce.
8.	Management Studies	Management Studies.
9.	Law	Law, Human Rights & Duties Education
10.	Education	Education.
11.	Engineering & Technology	Applied Chemistry, Applied Mathematics, Applied Physics, Biochemical Engineering, Biomedical Engineering, Ceramic Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Electronics Engineering, Industrial Management, Materials Science & Technology, Mechanical Engineering, Metallurgical Engineering, Mining Engineering, Pharmaceutics, Systems Engineering.
12.	Agriculture	Agricultural Economics, Agricultural Statistics, Agronomy, Animal Husbandry & Dairy Science, Entomology & Agricultural

	Zoology, Extension Education, Farm Engineering, Agricultural Engineering (Soil and Water Conservation Engineering), Genetics & Plant Breeding, Horticulture, Mycology & Plant Pathology, Plant Physiology, Soil Science & Agricultural Chemistry.
13. Medicine	Anatomy, Anesthesiology, Biochemistry, Biophysics, Cardiology, Cardiothoracic Surgery, Dentistry, Dermatology & Venereology, Endocrinology, Forensic Medicine, Gastroenterology, General Surgery, Medicine, Microbiology, Molecular Biology, Nephrology, Neurology, Neuro Surgery, Obstetrics & Gynecology, Ophthalmology, Orthopedics, Otolaryngology (E.N.T.), Pathology, Pediatrics, Pediatric Surgery, Pharmacology, Physiology, Plastic Surgery, Community Medicine, Psychiatry, Radio-Diagnosis Imaging,, Radiotherapy & Radiation Medicine, Surgical Oncology, T.B. & Chest Diseases, Urology.
14. Ayurveda	Samhita & Sanskrit, Siddhanta Darshan, Dravyaguna, Kayachikitsa, Medicinal Chemistry, Prasuti Tantra, Rasa Shastra, Shalya Tantra and Sangyahan, Shalakya Tantra, Kriya Sharir, Swasthavritta & Yoga, Rachana Sharir, Kaumarbhritya/Balroga, Vikrit Vigyan

ANNEXURE – B

(see Clause III.1)

**THE DETAILS OF QUALIFYING EXAMINATIONS AND THE REQUISITE
MINIMUM PERCENTAGE OF MARKS FOR ADMISSION TO THE Ph. D.
PROGRAMME IN VARIOUS FACULTIES**

Note:

Any degree mentioned under the qualifying examination for each faculty in the following pertains to the degree awarded by this University or any other University established by law for the time being in force or any other degree recognized as equivalent thereto in that subject.

Faculty of Arts

(a) Qualifying Examination:

- (i) Master's degree in the concerned subject OR
(ii) Master's degree in any one of the allied subjects pertaining to the department as per the list given below:

Department	Allied Subject(s)
1. Arabic	Arabic Culture.
2. Bengali	-
3. English	-
4. Foreign Languages	
5. Chinese	-
6. Russian	-
7. Indian Languages	
8. Tamil	-
9. Nepali	-
10. Kannada	-
11. French	-
12. German	-
13. Hindi	Functional Hindi (Journalism), Prayojan Moolak Hindi (Patrakarita)
14. Prayojan Moolak Hindi	Hindi
15. Linguistics	Computer Linguistics
16. Pali & Buddhist	Psychology with the background of Pali or

Studies	Buddhism
17. Persian	-
18. Sanskrit	Pali
19. Urdu	Urdu Journalism
20. Ancient Indian History, Culture & Archaeology	Archaeology, Anthropology (Culture), Pali, Prakrit
21. History of Art	Aesthetics, Fine Arts, Tourism & Travel Management
22. Tourism Management	History of Art
23. Indian Philosophy & Religion	Religious Studies
24. Journalism & Mass Communication	-
25. Museology	Museum Science.
26. Physical Education.	-
27. Telugu	-
28. Library & Information Science	MCA/M.Sc. in Computer Science

(b) Qualifying Marks:

At least 55% in the aggregate or equivalent grade point average in the qualifying examination.

Faculty of Visual Arts

(a) Qualifying Examination:

Master's degree in the concerned subject.

(b) Qualifying Marks:

At least 55% in the aggregate or equivalent grade point average in the qualifying examination.

Faculty of Performing Arts

1. For admission to Ph. D programme in all departments except in the Department of Musicology:

(a) Qualifying Examination:

- (i) M.Mus. OR M.A. in Music OR
- (ii) Master's Degree in any subject and having passed any one of the following examinations:

- (a) B.Mus. Sangeet Visharad Examination of Bhatkhande Vidyapeeth, Lucknow.
- (b) Sangeet Prabhakar Examination of Prayag Sangeet Samiti, Allahabad.
- (c) Sangeet Visharad Examination of A. B. Gandharva Mahavidyalaya, Mumbai.
- (d) Sangeet Vid Examination of Indra Kala Sangeet Vishwavidyalaya, Khairagarh, M.P.
- (e) Sangeet Ratna Examination of M. P. Government.
- (f) Sangeet Visharad Examination of Shankar Gandharva Vidyalaya, Gwalior.
- (g) B.Mus. (Prabhakar) Examination of Rajasthan Sangeet Sansthan, Jaipur.

OR

(ii) Bachelor's Degree in any subject and having passed any one of the following examinations:

- (a) Sangeet Nipun Examination of Bhatkhande Vidyapeeth, Lucknow.
- (b) Sangeet Praveen Examination of Prayag Sangeet Samiti, Allahabad.
- (c) Sangeet Alankar Examination of Gandharva Mahavidyalaya, Mumbai.
- (d) Sangeet Kovid Examination of Indra Kala Sangeet Vishwavidyalaya, Khairagarh, M. P.

OR

(iii) Master's degree in any one of the allied subjects pertaining to the department as per the list given below:

Department	Allied Subject(s)
Instrumental Music (Sitar, Violin, Flute, Tabla)	Classical Dance (Kathak/ Bharatnatyam), Vocal Music.
Vocal Music	Instrumental Music.

(b) Qualifying Marks:

At least 55% in the aggregate or equivalent grade point average in the qualifying examination.

2. For admission to Ph. D programme in the Department of Musicology:

(a) Qualifying Examination:

Master's degree OR M. Phil. in Musicology

(b) Qualifying Marks:

With Master's degree in Musicology: At least 55% in the aggregate or equivalent grade point average in the qualifying examination.

With M. Phil. in Musicology: At least 65% in the aggregate or equivalent grade point average in the qualifying examination.

Faculty of Social Sciences

(a) Qualifying Examination:

- (i) Master's degree in the concerned subject OR
- (ii) Master's degree in any one of the allied subjects pertaining to the department as per the list given below:

Department	Allied Subject(s)
Economics	Agricultural Economics, Commerce, Education, Home Science, Management, Mathematics Statistics, Business Economics.
History	Ayurveda, Economics, Political Science, Philosophy & Religion, Sociology, Women's Studies, Ancient Indian History, Culture & Archaeology.
Political Science	Ancient Indian History, Culture & Archaeology, Defence Studies, Economics, Gandhian Studies, Geography, History, Human Rights, Indian and Foreign Languages, Information Science, International Religions/ Studies, Journalism, Law, Management, Peace Studies, Philosophy & Religion, Public Administration, Sociology, Statistics, Women's Studies, Nepali Languages & Literature.
Psychology	Basic Principles, Education, Extension Education, Home Science, Management, Nursing, Pediatrics, Physical Education, Personal Management & Industrial Relations, Psychiatry, Kayachikitsa, Statistics, Preventive & Social Medicine/Community Medicine, Commerce, Applied Psychology.
Personnel Management & Industrial Relations	Psychology
Sociology	Anthropology, Demography, Economics, Education, History, Law, Political Science, Psychology, Social Work, Statistics, Women's Studies.
Social Work	Sociology, Community Medicine, Psychiatry, Kayachikitsa

(b) Qualifying Marks:

At least 55% in the aggregate or equivalent grade point average in the qualifying examination.

Sanskrit Vidya Dharm Vijnan

(a) Qualifying Examination:

- (i) Acharya degree in the concerned subject. OR
- (ii) Acharya or equivalent degree in any one of the allied subjects pertaining to the department as per the list given below:

Department	Allied Subject(s)
Veda (Rigveda, Samveda, Shukla Yajurveda, Krishna Yajurveda)	Agam, Ancient History and Culture, Dharma Shastra, Karmakand, Mimansa, Puran, Sankhyayoga, Vedic Darshan (Vedanta), Vyakaran.
Vyakaran	Agam, Bhasha Vijnan, Buddha Darshan, Mimansa, Nyaya, Puranetihas, Sankhyayoga, Sahitya, Veda, Vedanta,
Jyotish (Jyotish Ganit, Jyotish Flait)	Astro Physics, Dharma Shastra, Krishi Vijnan, Mausam Vijnan, Puran.
Dharma Shastra Mimansa	Dharma Shastra: Jyotish, Mimansa, Puranetihas, Sahitya, Sanskrit, Veda, Vyakaran. Mimansa: Agam, Buddha Darshan, Dharma Shastra, Jain Darshan, Nyaya Vaisheshik, Philosophy (with Sanskrit), Sanskrit (Philosophy group), Veda, Vedanta, Vyakaran.
Sahitya	Dharmagam, Philosophy, Vyakaran.
Jain Darshan Buddha Darshan	Jain Darshan: Buddha Vidya, Buddha Tantra, Dharm and Darshan, Indian History and Culture, Indian Philosophy & Religion, Jain Tantra, Jain Vidya, Pali Bhasha and Sahitya, Prakrit Bhasha and Sahitya, Sanskrit Bhasha and Sahitya, Sthapatya Murti Chitra Kalayen. Buddha Darshan: Buddha Tantra, Buddha Vidya, Chinese, Indian History and Culture, Indian Philosophy & Religion, Jain Dharm and Darshan, Jain Tantra, Jain Vidya, Japanese, Nepali, Pali Bhasha and Sahitya, Prakrit Bhasha and Sahitya, Sanskrit Bhasha and Sahitya, Sthapatya Murti Chitra Kalayen, Thai Buddha Vidya, Tibbati.
Dharmagam	Veda; Puranetihas, Vedanta, Sankhyayoga, Nyaya Vaisheshik (under Vedic Darshan Department); Buddha Tantra, Jain Tantra (under Buddha & Jain Darshan Department); Vyakaranagam, Vyakaran Darshan (under

Vyakaran Department); Mimansa Darshan (under Dharmshastra & Mimansa Department).

Vedic Darshan

Vedanta: Agam, Buddha Darshan, Jain Darshan, Mimansa, Nyaya Vaisheshik, Philosophy (with Sanskrit), Puranetihas, Sankhyayoga, Vyakaran.

Sankhyayoga: Agam, Ayurveda, Buddha Darshan, Jain Darshan, Jyotish, Nyaya Vaisheshik, Philosophy (with Sanskrit), Puranetihas, Sanskrit (Philosophy group), Vedanta.

Nyaya Vaisheshik: Agam, Buddha Darshan, Jain Darshan, Mimansa, Philosophy (with Sanskrit), Puranetihas, Sankhyayoga, Vedanta, Vyakaran.

Puranetihas: Agam, Ancient Indian History, Culture & Archaeology (with Sanskrit), Dharma Shastra, Jyotish, Nyaya Vaisheshik, Sankhyayoga, Veda, Vedanta.

(b) Qualifying Marks:

At least 55% in the aggregate or equivalent grade point average in the qualifying examination.

Faculty of Science

(a) Qualifying Examination:

- (i) Master's degree* in the concerned subject OR
- (ii) Master's degree* in any one of the allied subjects pertaining to the department/school as per the list given below:

(*Note: For admission to the Ph. D. programme in the department of Geophysics, in addition to having passed the qualifying examination with the requisite percentage of marks, a candidate must have studied Physics and Mathematics for at least two years at undergraduate level.)

Department/ School	Allied Subject(s)
Biochemistry	Chemistry, Life Science, Applied Biochemistry, Biotechnology and Botany, Zoology, Microbiology, Molecular & Human Genetics, Biology, Biosciences, Immunology, Physiology, Medical Biochemistry, Clinical Biochemistry.
Bioinformatics	
Biotechnology	Chemistry, Applied Chemistry, Biochemistry, Botany, Zoology, Microbiology, Applied Microbiology, Industrial Microbiology, Human Biology, Molecular Biology, Plant Molecular Biology, Molecular Biology & Biotechnology, Microbial Biotechnology, Physiology, Pathology,

	Pharmacology, Life Sciences, Biological Sciences, Bio Sciences, Environmental Sciences, Biomedical Sciences, Biophysics, Immunology, Genetics, Molecular & Human Genetics, Genetics & Plant Breeding, Plant Pathology, Mycology & Plant Pathology, Horticulture, Agricultural Chemistry, Agricultural Botany, Forestry, Entomology, Agronomy, Dairy Science, Veterinary Sciences, Ayurveda, Medicine, Biomedical Engineering, Biochemical Engineering, Pharmacy, Bioinformatics, Applied Biochemistry.
Botany	Life Science, Biotechnology, Biochemistry, Bio Sciences, Environmental Sciences, Microbiology, Environmental Biology.
Environmental Science	Botany, Biochemistry, Applied Chemistry, Biochemistry, Biotechnology, Life Sciences, Bio-Sciences, Microbiology, Applied Microbiology, Zoology.
Environmental Science & Technology	Environmental Engineering, Botany, Geology, Environmental Science
Applied Microbiology	Botany, Biochemistry, Biotechnology, Microbiology, Medical Microbiology, Industrial Microbiology, Dairy, Applied Chemistry, Life Sciences, Bio-sciences.
Chemistry	Biochemistry, Biotechnology, Industrial Chemistry, Applied Chemistry, Medicinal Chemistry, Environmental Chemistry, Computational Chemistry, Pharmaceutical Chemistry, Chemical Engineering, Pharmacy.
Computer Science	Physics, Mathematics, Statistics, Biomedical Engineering, Computer Applications, Computer Engineering, Electrical Engineering, Electronics Engineering, Information Science & Technology, System Science/ Engineering, Bioinformatics and Cognitive Science.
Geography	Environmental Science, Geology, Rural Development & Planning.
Geophysics	Physics, Applied Physics, Mathematics, Applied Mathematics, Geology, Applied Geology.
Mathematics	Physics, Applied Physics, Geophysics, Applied Mathematics, Industrial Mathematics, Statistics, Computer Application, Computer Science, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Mechanical Engineering, Operational Research, Information Science.

Molecular and Human Genetics	Physics, Chemistry, Biochemistry, Botany, Zoology, Biology, Microbiology, Biotechnology, Life Sciences, Bio Sciences, Molecular Bioinformatics, Genetics, Bioengineering.
Physics	Space Science
Zoology	Anatomy, Anthropology, Agricultural Zoology/ Entomology, Entomology, Medical Entomology, Biochemistry, Biophysics, Biotechnology, Bio Sciences, Bio Statistics, Ecology, Environmental Biology, Human Biology, Marine Biology, Microbiology, Molecular Biology, Radiation Biology, Animal Sciences, Dairy Sciences, Environmental Sciences, Life Science, Fisheries, Fishery Sciences, Veterinary Sciences, Genetics, Molecular & Human Genetics, Immunology, Physiology, Reproductive Physiology, Behaviour, Limnology, Biochemical Engineering, Biomedical Engineering.

(b) Qualifying Marks:

At least 55% in the aggregate or equivalent grade point average in the qualifying examination.

Faculty of Commerce

(a) Qualifying Examination:

Master's degree in Commerce (M.Com.)/ Finance and Control (M.F.C.)/ Business Management (M.B.M.) OR in allied areas namely, M.A. in Economics/ Sociology/ Psychology, M.A./ M.Sc. in Statistics or Home Science, M.Sc.(Ag.) in Agricultural Economics, LL.M.

Chartered Accountancy (C.A.) of the Institute of Chartered Accountants of India, Costs & Works Accountancy of the Institute of Costs & Works Accountants of India (I.C.W.A.I.), the Company Secretaryship of the Institute of Company Secretaries of India (I.C.S.I.).

(b) Qualifying Marks:

At least 55% in aggregate or equivalent grade point average in the qualifying examination.

Faculty of Management Studies

(a) Qualifying Examination:

Master's degree in Business Management (M.B.M.), Management Studies/ Management Sciences (M.M.S.), Business Administration (M.B.A.), International Business Administration (M.I.B.A.), International Business (M.I.B.)

OR

Two years postgraduate diploma in Management from any one of the Indian Institutes of Management (I.I.Ms) or Xavier Labour Relations Institute (X.L.R.I.), Jamshedpur or Management Development Institute (M.D.I.), Gurgaon or Institute of Management and Technology (I.M.T.), Ghaziabad or Indian Institute of Foreign Trade (I.I.F.T.), New Delhi or International Management Institute (I.M.I.), New Delhi.

(b) Qualifying Marks:

At least 55% in the aggregate or equivalent grade point average in the qualifying examination.

Faculty of Law

(a) Qualifying Examination:

Bachelor's/ Master's Degree in Law.

(b) Qualifying Marks:

At least 55% in the aggregate or equivalent grade point average in the qualifying examination, with Master's degree as the qualifying examination.

OR

At least 60% in the aggregate or equivalent grade point average in the qualifying examination, with Bachelor's degree as the qualifying examination.

Faculty of Education

(a) Qualifying Examination:

M.Ed./ M.A. (Education)/ Master's degree in Special Education (M.Ed. (Spl.))

OR

Master's degree in Psychology/ Sociology/ Philosophy/ Economics/ History/ Physical Education.

(b) Qualifying Marks:

At least 55% in aggregate or equivalent grade point average in the qualifying examination.

Faculty of Engineering & Technology

(a) Qualifying Examinations:

(i) Bachelor's/ Master's degree in the concerned branch of engineering

OR

(ii) Bachelor's/ Master's degree in Pharmacy for admission to the Ph. D. programme in the Department of Pharmaceutics

OR

(iii) M.A./ M.Sc. in the concerned subject for admission to the Ph. D. programme in the Department of Applied Chemistry, Applied Mathematics and Applied Physics.

OR

(iv) The qualification in any one of the allied subjects pertaining to the department/ school/ discipline as per the details given below:

Department/ School/ Discipline	Allied Subject(s)
Applied Chemistry	Master's degree in Physics/ Biochemistry/ Medicinal Chemistry/ Soil Chemistry/ Environmental Science, with Chemistry as a subject at Bachelor's degree level. Bachelor's/ Master's degree in any branch of Engineering/ Pharmacy. Master's degree in Materials Science & Technology/Chemistry/Industrial Chemistry/Applied Chemistry/ Integrated Master Degree.
Applied Mathematics	Master's degree in Computer Science/ Statistics, with Mathematics as a subject at Bachelor's degree level. M.C.A with Mathematics as a subject at Bachelor's degree level. Bachelor's/ Master's degree in any branch of Engineering. M.Tech./M.Sc. in Mathematics & Computer/M.Sc. in Computer Science
Applied Physics	Master's degree in Chemistry/ Mathematics/ Biophysics/ Geophysics/ Computer Science, with Physics as a subject at Bachelor's degree Level. Bachelor's/ Master's degree in any branch of Engineering. Master's degree in Materials Science and Technology. Master's degree in Engineering Physics.
Biochemical Engineering	Master's degree in Chemistry/ Biochemistry/ Bioscience/ Biotechnology/ Microbiology/ Botany/ Zoology/ Life Sciences/ Environmental Sciences. Master's degree in Agriculture with specialization in Genetics/ Plant Tissue Culture/ Dairy & Food/ Plant Pathology. Bachelor's/ Master's degree in any branch of Engineering/ Pharmacy.
Biomedical Engineering	Master's degree in Physics/ Chemistry/ Biochemistry/ Biosciences/ Biotechnology/ Microbiology/ Life Sciences/ Botany/ Zoology/ Applied Mathematics. Bachelor's/ Master's degree in Ceramics/ Chemical/ Civil/ Computer/ Electrical/ Electronics/ Electronics & Communication/ Electronics & Telecommunication/

	<p>Electronics & Instrumentation/ Mechanical / Metallurgical Engineering / Pharmacy.</p> <p>Master's degree in Materials Science and Technology.</p> <p>Master's degree in Modern Medicine.</p>
Ceramic Engineering	<p>Master's degree in Chemistry/ Applied Chemistry/ Physics/ Applied Physics/ Geology or Geophysics (with Mathematics as a subject at Bachelor's degree level).</p> <p>Bachelor's/ Master's degree in any branch of Engineering.</p> <p>Master's degree in Modern Medicine/ Indian Medicine (for the areas related to Bioceramics).</p>
Chemical Engineering	<p>Master's degree in Chemistry/ Biochemistry/ Environmental Science with mathematics at Bachelor degree level.</p> <p>Bachelor's/ Master's degree in any branch of Engineering/ Chemical Technology.</p>
Civil Engineering	<p>Geology, Material Science, Applied Chemistry, Environmental Science/ with mathematics as a subject at Bachelor Degree level.</p> <p>Master's degree in Agricultural Engineering.</p> <p>Master's degree in Structural Engineering.</p>
Computer Engineering	<p>B.Tech./B.E./M.Tech./M.E. degrees in Computer Science/Computer Science & Engineering/Computer Engineering/ Computer Technology.</p> <p>M.Tech. in Mathematics & Computing.</p>
Electrical Engineering	<p>Bachelor's/ Master's degree in Computer/ Electronics/ Electronics & Communication/ Electronics & Telecommunication/ Electronics & Instrumentation Engineering.</p> <p>M.Tech. in Systems Engineering</p>
Electronics Engineering	<p>Master's degree in Physics/ Applied Physics/ Applied Physics/Electronics Science/Electronics.</p> <p>Bachelor's/ Master's degree in Computer/ Electrical/ Biomedical Engineering/ Information Technology.</p> <p>Master's degree in Materials Science and Technology.</p>
Industrial Management	<p>Masters Degree in Management.</p> <p>Two years Postgraduate Diploma in Management from any one of the Indian Institutes of Management (I.I.Ms) or other recognized institutes.</p> <p>Bachelor's/ Master's degree in any branch of</p>

	Engineering/Technology.
Materials Science and Technology	<p>Master's degree in Physics/ Applied Physics/ Chemistry/ Applied Chemistry.</p> <p>Bachelor's/ Master's degree in any branch of Engineering.</p> <p>Master's degree in Dentistry/ Orthopedics/ E.N.T./ Rasa Shastra.</p> <p>M.Sc. in Materials Science, Bio-technology, Bio-Chemistry</p>
Mechanical Engineering	<p>Bachelor's/ Master's degree in any branch of Engineering.</p> <p>Master's degree in Agriculture (Farm Engineering/Technology).</p>
Metallurgical Engineering	<p>Master's degree in Physics/ Applied Physics/ Chemistry/ Applied Chemistry/ Geology/ Industrial Chemistry/Mineral Engineering/ Environmental Engineering.</p> <p>Bachelor's/ Master's degree in any branch of Engineering.</p> <p>Master's degree in Materials Science and Technology.</p>
Mining Engineering	<p>Master's degree in Geology/ Geophysics/Mathematics/Physics/Chemistry/Environmental Sciences.</p> <p>M.Tech. in Chemical Engineering/Environmental Engineering/ Civil Engineering/industrial Engineering.</p>
Pharmaceutics	Only qualifying Examinations.
Systems Engineering	Bachelor's/ Master's degree in any branch of Engineering.

(b) Qualifying Marks:

- (i) At least 60% in the aggregate or equivalent grade point average in the qualifying examination, with Master's degree in Engineering/ Technology/ Pharmacy or equivalent as qualifying examination.

OR

- (ii) At least 70% in the aggregate or equivalent grade point average in the qualifying examination, with Bachelor's degree in Engineering/ Technology/ Pharmacy or equivalent as qualifying examination.

OR

- (iii) At least 60% in the aggregate or equivalent grade point average in the qualifying examination, with Bachelor's degree in Engineering/ Technology/ Pharmacy or equivalent as qualifying examination and having a minimum of 2 years of experience in research/industry/ teaching in the relevant area.

OR

- (iv) A minimum of 5 years of experience in research/R & D organization in a technical capacity and sponsorship by the organization with Bachelor's degree in Engineering/ Technology/ Pharmacy or equivalent as qualifying examination.

OR

- (v) At least 60% in the aggregate or equivalent grade point average in the qualifying examination, with Master's degree in Science/ Business Management/ Agriculture as qualifying examination.

OR

- (vi) At least 60% in the aggregate or equivalent grade point average in the qualifying examination, with M.D./ M.S as qualifying examination.

Faculty of Agriculture

(a) Qualifying Examination:

- (i) Master's degree in Science/Agriculture (M.Sc./ M.Sc (Ag.) in the concerned subject

OR

- (ii) Master's degree in Science/Agriculture (M.Sc./ M.Sc (Ag.) in any one of the allied subjects pertaining to the department as per the list given below:

Disciplines	Allied Subject(s)
Agricultural Economics	M.Sc./M.Sc. (Ag.) in Agricultural Economics/ Agricultural Economics & Business Management, Agricultural Business/ Management/ Dairy Economics/ Livestock Economics.
Agronomy	M.Sc./M.Sc. (Ag.) in Agronomy/ Crop Production/ Crop Husbandry/ Soil & Water Conservation.
Animal Husbandry and Dairy Science	M.Sc./M.Sc. (Ag.) in Animal Husbandry and Dairy Science/ Live Stock Production and Management/ Animal Nutrition/ Poultry Science/ Dairy Technology/ Poultry Technology/ Animal Genetics & Breeding.
Entomology and Agricultural Zoology	M.Sc./M.Sc. (Ag.) in Entomology/ Entomology and Agricultural Zoology/ Agricultural Zoology and Entomology/ Agricultural Zoology/ Plant Protection (with major in Entomology).
Extension Education	M.Sc./M.Sc. (Ag.) in Agricultural Extension/ Extension Education/ Dairy Extension/ Veterinary Extension/ Communication & Extension.
Farm Engineering	
Agricultural Engineering (Soil &	M.Tech. in Agricultural Engineering/ M.E. (Agricultural Engineering)/ or equivalent degree

Water Conservation Engineering)	with specialization in Soil and Water Conservation Engineering/Irrigation and Drainage Engineering/ Soil and Water Engineering/Water Resources Engineering or M.Sc. (Ag.) in Soil and Water Conservation.
Agricultural Statistics	M.Sc. (Ag.) / M.Sc. in Agricultural Statistics/ M.Sc. in Statistics.
Genetics and Plant Breeding	M.Sc./M.Sc. (Ag.) in Genetics and Plant Breeding/ Agricultural Botany/ Genetics/Plant Breeding/Plant Breeding & Genetics.
Horticulture	M.Sc./M.Sc. (Ag.) in Horticulture/ Pomology/Vegetables Science/Floriculture and Land Scaping/ Fruit and Horticultural Technology.
Mycology and Plant Pathology	M.Sc./M.Sc. (Ag.) in Mycology and Plant Pathology/ Plant Pathology/ Plant Pathology & Nematology.
Plant Physiology	M.Sc./M.Sc. (Ag.) in Plant Physiology/ Crop Physiology/Agricultural Botany with specialization in Plant Physiology.
Soil Science and Agricultural Chemistry	M.Sc./M.Sc. (Ag.) in Soil Science and Agricultural Chemistry/ Soil Science/ Agricultural Chemistry/ Agricultural Chemistry and Soil Science/Agricultural Physics/ Agricultural Biochemistry.

(b) Qualifying Marks:

At least 55% in aggregate or equivalent grade point average in the qualifying examination.

Faculty of Medicine

(a) Qualifying Examination:

(i) Doctor of Medicine (M.D.)/ Master of Surgery (M.S.)/ Master of Dental Surgery (M.D.S.)/ Doctoratus of Medicinus (D.M.)/ Magister Chirurgiae (M.Ch.)/ Diplomate of National Board (D.N.B) in the concerned subject recognized by the Medical Council of India.

OR

(ii) M.Sc. in the concerned subject

OR

(iii) Master's degree in any one of the allied subjects pertaining to the discipline as per the details given below:

Discipline	Allied Subject(s)
Anatomy	Anatomy, Biotechnology, Life Sciences, Anthropology, Home Science, Zoology, Veterinary Science, Ayurveda, Biomedical Engineering, Physiotherapy.
Anesthesiology	Biophysics, Biochemistry, Physics, Biotechnology, Physiology, Pharmacology, Chest Medicine, General Medicine, Cardiology, Psychiatry, Neurology, Zoology, Home Science, Psychology, Biochemistry, Physiology, Pharmacology.
Biochemistry	Medical Biochemistry, Biotechnology, Life Sciences, Bio Sciences, Physiology, Biophysics.
Biophysics	Physics, Botany, Zoology, Physiology, Biochemistry, Biotechnology, Biomedical Engineering.
Community Medicine	Home Science (Extension Education or Food & Nutrition), Statistics, Sociology, Population Studies, Nutrition, Biostatistics, Social Work, Epidemiology, Economics, Health Economics, M. Sc. Health Statistics.
Dermatology & Venerology	Zoology, Biochemistry, Physiology, Biophysics, Biotechnology, Home Science (Dietetics, Clinical Nutrition), Psychology (with Clinical Psychology as special paper), Pharmacy, Pharmacology, Pathology, Community Medicine., Medicine, Molecular Biology, Microbiology, Chest & T.B., Obstetrics & Gynecology, Pediatrics, Psychiatry, General Surgery, General Medicine, Kāyachikitsā, Dravyaguna, Basic Principles (Ayurveda), Medicinal Chemistry, Plastic Surgery, Ophthalmology, Otolaryngology.
Endocrinology & Metabolism	Biochemistry, Zoology, Home Science, Physiology, Medicine, Gynecology, Pediatrics, Pharmacology, Microbiology, Community Medicine Anatomy, Surgery, Orthopedics, Psychiatry, T.B. & Chest Diseases, Clinical Biochemistry, Medical Biochemistry, Applied Microbiology.
Forensic Medicine	Criminology, Forensic Science, Microbiology, Chemistry, Biochemistry, Botany, Sociology, Psychology, Social Work, Law, Pharmacy, Chemical Engineering, Anatomy, Pathology, Psychiatry, Pharmacology.
Gastroenterology	Biochemistry, Biotechnology, Zoology, Botany, Chemistry, Biophysics, Pharmacology, Physiology, General Medicine, Radio-Diagnosis & Imaging, Anatomy, Microbiology, Obstetrics & Gynaecology, Cardio-Thoracic, General Surgery, Radiotherapy, Community Medicine, Nephrology, Paediatrics,

	Pathology, Forensic Medicine, Cardiology, Plastic Surgery, Surgical Oncology, ENT, Endocrinology, Neurology, Home Science, Management – Hospital Management, Health Management, Medical Biochemistry, Applied Microbiology, Medical Microbiology, Applied Biochemistry, Life Sciences, Molecular Genetics, Clinical Psychology, Molecular Biology and Genetics.
General Surgery	Biomedical Engineering, Biotechnology, Chemical Engineering, Computer Science /Engineering, Human Genetics, Zoology, Biochemistry, Shalya Shalakyas of Faculty of Ayurveda, Dravaguna of Faculty of Ayurveda, All the Departments of the Faculty of Modern Medicine
Medicine	Biochemistry, Biotechnology, Community Medicine, Chest & T.B., Dermatology & Venereology, Immunology, Molecular Biology, Molecular Human Genetics, Micro-Biology, Medical Microbiology, Medical Biochemistry, Physiology, Pharmacy, Pathology, Pharmacology, Physiology, Psychiatry, Paediatrics, Psychology (with clinical Psychology as special paper), Zoology/ Animal Sciences.
Microbiology	Medical Microbiology, Life Science, Botany, Zoology, Biochemistry, Molecular Biology, Molecular Biology & Technology, Biotechnology, Agricultural Microbiology, Animal Husbandry & Dairy Sciences, Mycology & Plant Pathology, Soil Science & Agricultural Chemistry and Entomology, Applied Microbiology, Bioinformatics, Biomedical Engineering and Molecular & Human Genetics, Applied Biochemistry & All Disciplines of Modern Medicine & Ayurveda.
Molecular Biology	Agricultural Science with specialization in any branch, Mathematics, Medical Sciences, Biochemistry, Biological Sciences, Biosciences, Biotechnology, Botany, Chemistry, Life Sciences, Physics, Zoology, Biochemical Engineering, Biomedical Engineering, Applied Biochemistry, Microbiology, Molecular Biology, Human Genetics, Any Branch of Life Sciences, Medicine (any branch of Modern Medicine and any branch of Ayurveda) .
Nephrology	Zoology, Biochemistry, Biotechnology, Nutrition Sciences, Biomedical Engineering, Molecular & Human Genetics and Home Science-Food & Nutrition (M. Sc. only).
Obstetrics & Gynecology	Biochemistry, Biophysics, Microbiology, Biotechnology, Oncology, Immunology, Radio

	Diagnosis Imaging, Radiotherapy & Radiation Medicine, Pathology, Neonatology, Biomedical Engineering Pharmacology, General Medicine, Paediatric Medicine, Community Medicine, Anaesthesiology, Endocrinology, Urology, Surgical Oncology.
Orthopedics	Anatomy, Surgery, Plastic Surgery, Neuro Surgery, Biomedical Engineering.
Otolaryngology (E.N.T.)	Neuro-Surgery, Ophthalmology, Plastic Surgery, Cardiothoracic Surgery, Cardiovascular & Thoracic Surgery, Pediatric Surgery, Anatomy, Radiotherapy, Tuberculosis and Respiratory diseases, Biochemistry, Microbiology, Pediatrics, Pathology, Radio-Diagnosis & Imaging, Neurology, Neurology & Neurosurgery, Radiology & Radiotherapy.
Pathology	Zoology, Chemistry, Biochemistry, Life Sciences, Biotechnology, Microbiology, Immunology, Molecular Biology, Modern Medicine, Ayurveda, Homeopathy, Unani Medicine.
Pediatrics	Home Science, Psychology, Statistics, Population Studies, Genetics, Biochemistry, Biotechnology, Zoology, Molecular & Human Genetics, Biomedical Engg.
Pharmacology	Zoology, Biochemistry, Psychology, Pharmaceutical Chemistry, Physiology, Veterinary Science, Pharmacy, Dravyaguna, Kāyachikitsā.
Physiology	Zoology, Botany, Chemistry, Biochemistry, Microbiology, Psychology, Home Science, Physics, Biophysics, Computer Science, Biomaterials Science, Genetics, Biotechnology, Environmental Science, Pharmacology, Veterinary Science, Physical Education, Electronics, Biomedical Engineering, Modern Medicine, Āyurvedic Medicine, Life Sciences, Pharmacy.
Plastic Surgery	General Surgery
Psychiatry	Psychiatric Social Work, Social Work, Forensic Medicine, Clinical Psychology, Psychology with Clinical Psychology.
Radio-Diagnosis & Imaging	General Surgery, Dravyaguna, Obstetrics & Gynecology, Kāyachikitsā.
Radiotherapy & Radiation Medicine	Genetics, Zoology, Botany, Physics, Medical Physics, Biochemistry, Microbiology, Psychology, Sociology, Pharmacology, Modern Medicine, Ayurveda Biomedical Engineering, Chemical Engineering,

Pharmaceutics, Computer Science.

Surgical Oncology	Zoology, Biochemistry, Chemistry, Biotechnology, Home Science (Dietetics, Clinical, Nutrition) Sociology, Psychology, Botany, Materials Science, Pharmacy, Chemical Engineering, Computer Engineering, Biomedical Engineering, Microbiology, Kāyachikitsā, Dravyaguna, Applied Biochemistry, Anatomy, Physiology, Biophysics, Radiodiagnosis, Community Medicine, Pathology, Orthopaedics, Forensic Medicine, Social Work, Pharmacology, Environmental Science, Urology, Otorhinolaryngology (ENT), General Surgery, Paediatrics, Paediatric Surgery, Clinical Psychology, Home Science, Life Science, Biomedical Science, Molecular Biology, Genetics, Immunology, Applied Microbiology and Biotechnology, Applied Microbiology and Pharmacy.
T.B. & Chest Diseases	Anatomy, Physiology, Pharmacology, Pathology, Microbiology, Community Medicine, Radio-Diagnosis & Imaging, Radiotherapy, General Medicine, General Surgery, Orthopaedics, Pediatrics, Obstetrics & Gynecology.
Urology	Zoology, Gynecology, Biochemistry, Microbiology, Pathology, Community Medicine, General Surgery.

(b) Qualifying Marks:

At least 55% in aggregate or equivalent grade point average in the qualifying examination (wherever the marks/grades are awarded).

Faculty of Ayurveda

(a) Qualifying Examination:

(i) M.D.(Ay.)/ M.S.(Ay.) recognized by Central Council of Indian Medicine (CCIM).

OR

(ii) Master's degree in any one of the allied subjects pertaining to the discipline as per the list given below:

Discipline	Allied Subject(s)
Siddhanta Darshan	Ancient Indian History, Culture & Archaeology, Anthropology, Art & Architecture, Sanskrit, Philosophy, Indian Philosophy & Religion, Psychology, Sociology, Biomedical Engineering, Chemistry, Biochemistry, Biotechnology, Zoology, Mathematics, Botany, Statistics, Home Science, Physiology, Psychiatry, Pediatrics, P.S.M., Neurology, Biochemistry, Prasāti Tantra, Bāla Roga, Kāyachikitsā, Rasa Shāstra, āyurveda Samhitā.
Samhita & Sanskrit	Ancient Indian History, Culture & Archaeology, Philosophy, Sanskrit, Sociology, Psychology,

	Kāyachikitsā, Prasāti Tantra, Dravyaguna, Basic Principles.
Prasuti Tantra	Ayurveda Samhita, Basic Principles, Dravyaguna, Kayachikitsa, Obstetrics & Gynecology, P.S.M., Pediatrics, Neonatology, Jyotish, Chemistry, Home Science, Psychology, Sociology, Rasa Shastra, Shalya Shalakyā.
Dravyaguna	Basic Principles, Ayurveda Samhita, Rasa Shastra, Medicinal Chemistry, Shalya Shalakyā, Kayachikitsa, Prasuti Tantra. Agricultural Sciences (with any specialization), Dentistry, Physiology, Pharmacology, Pathology, Biochemistry, Radiotherapy & Radiation Medicine, Radiology, E.N.T., Ophthalmology, P.S.M., Pediatrics, Surgery, Botany, Home Science, Sanskrit, Pharmaceutical Science, Zoology, Ancient Indian History, Culture & Archaeology.
Rasa Shastra	Pharmacy, Home Science, Sanskrit, Chemistry, Geology, Geography, History, Philosophy, Social Sciences.
Medicinal Chemistry	Chemistry, Biochemistry, Pharmaceutical Chemistry.
Shalya Tantra	All the specialties of Faculty of Ayurveda, General Surgery, Pediatrics, Dental surgery, Urology, Ophthalmology, E.N.T., Pharmacology, Biochemistry, Anesthesiology, Botany, Zoology, Chemistry, Sociology, Pharmaceutics & Sanskrit.
Sangyahan	All the specialties of Faculty of Ayurveda, Pediatrics, Dental Surgery, Ophthalmology, E.N.T., Pharmacology, Biochemistry, Anesthesiology, Botany, Zoology, Chemistry, Sociology, Pharmaceutics & Sanskrit.
Shalakyā Tantra	All the specialties of Faculty of Ayurveda, Pediatrics, Dental Surgery, Ophthalmology, E.N.T., Pharmacology, Biochemistry, Anesthesiology, Botany, Zoology, Chemistry, Sociology, Pharmaceutics & Sanskrit.
Kayachikitsa	Kayachikitsa (Chikitsa): Vikriti Vigyan, Manasa Roga Vigyan, Pancha Karma, Kaumarabhritya, Swasthavritta, Dravyaguna, Rasa Shastra, Jyotish, Medicine, P.S.M., Veterinary Medicine, Home Science, Medicinal Chemistry, Biochemistry, Social Work. Vikriti Vigyan: Kayachikitsa (Chikitsa),

Biochemistry, Pathology, Radiology, Microbiology, Astrology.

Manasa Roga Vigyan: Kayachikitsa (Chikitsa), Swasthavritta & Yoga, Astrology, Psychology, Psychiatry, Sociology, Philosophy, P.S.M., Biostatistics.

Pancha Karma: Kayachikitsa (Chikitsa), Manasa Roga Vigyan, Physical Medicine & Rehabilitation, Physical Education, Medicine, Veterinary Medicine, Radiation Medicine, P.S.M.

Kriya Sharir

Rachana Sachir, Ayurveda Siddhant- Darshan, Svasthavritta, Ayurveda Samhita, Dravya Guna, Rasa Shastra, Vikriti Vigyana, Kaya Chikitsa, Shalya Tantra, Shalaky Tantra, Prasuti Tantra, Kamarabhritya, Sangyharana, Agada Tantra, Panchakarma, All subjects of Modern Medicine, Psychology, Zoology, Botany, Education, Vedic Darshan, Biomedical Engineering, Life Sciences, Biotechnology, Physical Education, Physics, Chemistry.

Rachana Sachir

All subjects of Ayurveda, All subjects of Modern Medicine, Agriculture Sciences, Ancient Indian History, Anthropology, Art and Architecture, Astrology, Biomedical Engineering, Bio-chemistry, Biotechnology, Botany, Chemistry, Culture and Archaeology, Dentistry, Education, Environmental Science, English, Genetics, Geography, Geology, Hindi, Home Science, Indian Philosophy, Journalism, Jyotish, Life Sciences, mathematics, Medicinal Chemistry, M.Sc. in anatomy, Pharmaceuticals Sciences, Philosophy, Physical Education, Political Science, Psychology, Sanskrit, Social Work, Social Science, Sociology, Statistics, Vedic Darshan, Yoga & Naturopathy, Zoology.

Swasthavritta & Yoga

-

Kaumarbhritya / Balroga

-

Vikrit Vigyan

Kayachikitsa, Dravyaguna, Rashastra, Siddhant & Darshan, Samhita, Prasuti Tantra, Kamarabhritya-Bal roga, Medicinal Chemistry, Kriya Sharira, Sharira Rachana, Swasthavritta & Yoga, Shalya Tantra, Shalaky Tantra, Pathology, Microbiology, Biophysics, Biochemistry, Physiology, School of Biomedical Engineering, Vaidic Darshan, Veda, Vyakaran, Physics, Chemistry, Botany, Zoology.

(b) Qualifying Marks:

At least 55% in aggregate or equivalent grade point average in the qualifying examination.

Faculty of Dental Sciences:

(a) Qualifying Examination:

(i) Mater's Degree in Dental Surgery.

(b) Qualifying Marks:

At least 55% in aggregate or equivalent grade point average in the qualifying examination (wherever the marks/grades are awarded).

Discipline	Allied Subject(s)
Dentistry	Prosthodontics, Conservative Dentistry, Orthodontics and Oral Medicines, Biochemistry, Microbiology, Pharmacology, anatomy, Pathology, and Physiology, Pharmaceutics, Material Sciences, Metallurgical Engineering and Biotechnology, Zoology, Molecular & Human Genetics, Chemistry and Psychology.

ANNEXURE – C

(see Clause IV.1 (b) (viii) & V.1 (c))

LIST OF NON-DEGREE AWARDING INSTITUTIONS RECOGNISED BY THE ACADEMIC COUNCIL AS THE RESEARCH CENTRES

FACULTY OF ARTS

1. Anthropological Survey of India.
2. Archaeological Survey of India.
3. Central Institute of English, Hyderabad.
4. Kendriya Sanskrit Vidyapith, Tirupathi.
5. National Archives of India.
6. National Research Laboratory for conservation of cultural property, Lucknow.
7. P. V. Research Institute, Jainashram, Varanasi (Subjects Relating to Jainism).
8. Rashtriya Sanskrit Sansthan, New Delhi and Central Sanskrit Institutes at Tirupati, Delhi, Jammu, Allahabad and Puri.

FACULTY OF SOCIAL SCIENCES

1. Service Selection Board, Defence Research Development Organization, New Delhi.
2. Research Design and Standards organization, Lucknow.
3. National Council for Educational Research and Training, New Delhi.
4. International Labour Organization, New Delhi.
5. National Institute of Planning and Administration, New Delhi.
6. National Productivity Council, New Delhi.
7. Gandhian Institute of Studies, Rajghat, Varanasi.
(Economics, Sociology and Political Sciences)
8. G. B. Pant Social Sciences Institute, Jhusi, Allahabad.
9. Indian Institute of Public Administration, New Delhi.
10. Centre for Policy Research, New Delhi.
11. National Institute of Rural Development, Hyderabad.
12. Centre for the Study of Developing Societies, Delhi.
13. National Institute of Public Finance and Policy, New Delhi.
14. Institute of Social and Economic Change, Bangalore.
15. National Institute of Banking Management, Pune.

FACULTY OF SANSKRIT VIDYA DHARMA VIJNAN

1. Rashtriya Sanskrit Vidyapeeth, Tirupati.
2. Garganath Jha Kendriya Sanskrit Vidyapeeth, Allahabad.

FACULTY OF SCIENCE

1. Astronomical Observatory, Nainital.
2. Atomic Energy Establishment, Mumbai.
3. Atomic Minerals Division (Department of Atomic Energy), Govt. of India.
4. Bhabha Atomic Research Centre, Mumbai and other Departments of Atomic Energy.
5. Birbal Sahani Institute of Paleo Botany, Lucknow.
6. Bose Institute, Kolkatta.
7. Botanical Survey of India, Kolkatta.
8. Central Captive Fisheries Research Institute, Kolkatta.
9. Central Food Technology Research Institute, Mysore.
10. Central Coal Research Institute, Dhanbad.
11. Central Drug Research Institute, Lucknow.
12. Central Electrochemical Research Institute, Karaikudi.
13. Central Fuel Research Institute, Dhanbad and its regional Centres.
14. Central Ground Water Board, Govt. of India.
15. Central Indian Pharmacopoeia Laboratory, Ghaziabad.
16. Central Inland Fisheries Research Institute, Barrackpore.
17. Central Institute Medicinal and Aromatic Plants, Lucknow.
18. Central Leather Research Institute, Chennai.
19. Central Mining Research Station, Dhanbad.
20. Central Public Health Engineering Research Institute, Nagpur (National Environmental Engineering Research Institute).
21. Central Rice Institute, Cuttack.
22. Central Salt and Marine Chemical Research Institute, Bhawanagar.
23. Centre for DNA Finger Printing and Diagnostics, Hyderabad
24. Centre for Development of Advanced Computing (CDAC), Pune, Mumbai, Bangalore & Noida.
25. Centre for Mathematical Science (CMS), South, Palai, Kerala
26. Coal India Limited and its subsidiaries.
27. Defence Research and Development Establishment, Gwalior.
28. Defence Research Laboratory, Kanpur.
29. Defence Research Laboratory, Delhi.

30. Defence Science Laboratory, Delhi.
31. Directorate of Geology and Mining, Lucknow.
32. Fuel Research Institute, Dhanbad.
33. Geological Survey of India, Govt. of India.
34. Central Glass and Ceramics Research Institute, Kolkatta.
35. Govt. of India Fisheries Research Station, Chennai.
36. Harishchandra Research Institute, Allahabad.
37. H.P. Labs India, Bangalore
38. IBM India Research Laboratory, New Delhi & Bangalore
39. Indian Agricultural Research Institute, New Delhi.
40. Indian Association for the Cultivation of Science, Jadavpur.
41. Indian Bureau of Mines, Govt. of India.
42. Indian Drugs & Pharmaceuticals Ltd., Hyderabad.
43. Indian Grassland and Fodder Research Institute, Jhansi.
44. Indian Institute of Chemical Biology, Kolkatta.
45. Indian Institute of Chemical Technology, Hyderabad.
46. Indian Institute of Geo-magnetism, Mumbai.
47. Indian Institute of Horticulture Research, Bangalore.
48. Indian Institute of Petroleum, Dehra Dun.
49. Indian Institute of Pulses Research, Kanpur.
50. Indian Institute of Sugarcane Research, Lucknow.
51. Indian Institute of Tropical Meteorology, Pune.
52. Indian Institute of Vegetable Research, Varanasi.
53. Indian Lac Research Institute, Ranchi.
54. Indian Meteorological Department, Govt. of India.
55. Indian Naval Physical Laboratory, Cochin.
56. Indian Rare Earth Limited, Govt. of India.
57. Indian Agricultural Statistics Research Institute (IASR), Delhi.
58. Indian Veterinary Research Institute, Bareilly.
59. Industrial Toxicology Research Centre, Lucknow.
60. Institute of Genomics and Integrated Biology (Formerly, Centre for Biochemical Technology), Delhi.
61. Institute of Life Sciences, (DBT, Govt. of India), Bhubaneswar.
62. Institute of Mathematics and Applications, Pathani Samanta Planetarium Square.
63. Institute of Microbial Technology, Chandigarh.
64. Institute of Nuclear Physics, Kolkatta.
65. Institute of Radio Physics, Kolkatta.

66. International Centre for Genetic Engineering and Biotechnology, New Delhi.
67. National Aeronautical Laboratory, Bangalore.
68. National Botanical Research Institute (formerly National Botanic Garden), Lucknow.
69. National Bureau of Animal Genetic Resources, Karnal.
70. National Bureau of Fish Genetic Resource (ICAR), Lucknow.
71. National Centre for Antarctic and Ocean Research, Goa.
72. National Centre for Biochemical Science, Pune.
73. National Centre for Cell Science, Pune.
74. National Centre for Medium Range Weather Forecasting, Ministry of Earth Sciences
75. National Chemical Laboratory, Pune.
76. National Dairy Research Institute, Karnal.
77. National Environmental Engineering Research Institute (NEERI), Nagpur.
78. National Geophysical Research Institute, Hyderabad.
79. National Institute of Immunology, New Delhi.
80. National Institute of Oceanography, Goa.
81. National Metallurgical Laboratory, Jamshedpur.
82. National Mineral Development Corporation, Hyderabad.
83. National Physical Laboratory, New Delhi.
84. National Remote Sensing Agency, Govt. of India.
85. National Research Centre on Plant Biotechnology, New Delhi.
86. Nutrition Research Laboratories, Coonoor.
87. Oil and Natural Gas Commission Limited.
88. Physical Research Laboratory, Ahmedabad.
89. Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram.
90. Raman Research Institute, Bangalore.
91. Rare Mineral Survey, Delhi.
92. Regional Research Laboratories, Trivandrum, Jammu, Bhopal, Jhadrat, Bhubaneshwar, Hyderabad.
93. Research Design & Standards Organisation, Lucknow.
94. Rubber Research Institute of Indian Rubber Board, Kottayam.
95. Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow.
96. Solid State Physics Laboratory (SSPL), Lucknow Road, Delhi.
97. Space Science & Technology Centre, Trivandrum.
98. SPIC Science Foundation, Chennai.

99. Sugarcane Breeding Institute, Coimbatore.
100. Tata Energy Research Institute, New Delhi.
101. Tata Institute of Fundamental Research, Mumbai.
102. Thapar Centre for Industrial Research and Development, Patiala.
103. The Indian Lac Research Institute, Ranchi.
104. Vivekanand Laboratory, Almora.
105. Wadia Institute of Himalayan Geology, Dehra Dun.
106. Zoological Survey of India, Kolkatta.
107. Centre of Biomedical Research, Lucknow

FACULTY OF COMMERCE

1. Institute of Chartered Accountants of India, Mumbai, Kolkatta, Chennai and New Delhi.
2. Institute of Cost and Works Accountants of India, Kolkatta.
3. Institute of Company Secretaries of India, New Delhi.
4. Institute of Foreign Trade, New Delhi.
5. Institute of Public Enterprise, Hyderabad.
6. National Institute of Bank Management, Mumbai.
7. Xavier Labour Relations Institute, Jamshedpur.

FACULTY OF MANAGEMENT STUDIES

1. Administrative Staff College of India, Hyderabad.
2. Indian Institutes of Management, Ahmedabad, Bangalore, Kolkatta, Lucknow, Kozhikode.
3. Institute of Public Administration, New Delhi.
4. National Institute of Bank Management, Mumbai.
5. Reserve Bank of India, Mumbai.
6. Xavier Labour Relations Institute, Jamshedpur.

FACULTY OF LAW

- (a) Indian Law Institute, New Delhi.

FACULTY OF EDUCATION

1. National Institute of Education, New Delhi.
2. NCERT, New Delhi.
3. NIEPA, New Delhi.
4. NCTE, New Delhi.
5. RCI, New Delhi.
6. All the National Institute for Handicapped: NIVH, NIMH, NIHH, etc.

FACULTY OF ENGINEERING & TECHNOLOGY

1. All R & D Laboratories/Institutions of CSIR, DAE, DOS, DRDO, DST and Ministry of Telecommunication & Information Technology.
2. Bharat Heavy Electricals Limited (BHEL), Research and Development Laboratories.
3. Central Indian Pharmacopoeia Laboratory, Ghaziabad.
4. Central Mine Planning and Design Institute Limited, Ranchi.
5. Central Power Research Institute, Bangalore.
6. Central Pulp and Paper Research Institute, Saharanpur.
7. Diesel Locomotive Works (DLW), Varanasi
8. Hindustan Aeronautics Limited, Lucknow & Korwa.
9. Hindustan Machine Tools (R & D Division), Bangalore.
10. Indian Bureau of Mines, Nagpur.
11. Jyoti Limited, Baroda.
12. Kirloskar Electric Limited, Bangalore.
13. Mechanical Engineering Research and Development Organization, Pune.
14. National Institute of Rock Mechanics, Kolar.
15. National Council for Cement and Building Materials (NCCBM), New Delhi.
16. Raman Research Institute, Bangalore.

FACULTY OF AGRICULTURE

1. All Institutes/Directorates/National Research Centres of Indian Council of Agricultural Research.
2. Central Food Technological Research Institute, Mysore.
3. Central Institute of Medicinal and Aromatic Plants, Lucknow.
4. Forest Research Institute, Dehradun,
5. Horticulture Research Station, Saharanpur.
6. National Botanical Research Institute, Lucknow.
7. National Sugar Institute, Kanpur.
8. Rubber Research Institute of Indian Rubber Board, Kottayam.

FACULTY OF AYURVEDA

1. Central Drug Research Institute, Lucknow.
 2. Central Indian Pharmacopoeia Laboratory, Gaziabad.
 3. Central Institute of Research on Indigenous System of Medicine, Jamnagar.
 4. Indian Drugs and Pharmaceutical Limited, Hyderabad.
-

ANNEXURE – D

(see Clause XIII.2 (b) (ii))

FORMAT OF THE Ph. D. THESIS

The following format may be normally adopted for the Ph. D. thesis:

1. Cover page
2. Inner cover page
3. Undertaking from the candidate
4. Self declaration certificate from the candidate and Certificate from the Supervisor/Co-Supervisor/Head of the Department (*Annexure – E*)
5. Certificate for the completion of course work/comprehensive examination in cases where the course work is a part of Ph. D. programme (*Annexure – F*)
6. Certificate for the successful completion of the pre-submission seminar (*Annexure – F*)
7. A copyright transfer certificate (*Annexure – G*)
8. Acknowledgments
9. Contents
10. List of symbols, figures and tables, if any
11. Preface of the thesis
12. Introduction
13. Literature review
14. Chapters covering the work of the candidate
15. Conclusion
16. References
17. Appendices
18. List of papers communicated/accepted/published/presented.
19. Copies of acknowledgment/acceptance letter in case the papers are communicated/accepted.
20. Copies of manuscripts/reprints of the papers communicated/accepted/published.
21. A personal profile not exceeding one page with photograph of the candidate.

References should be arranged chronologically in alphabetical order. Typical style of writing the references is given below:

(a) For single author

Surname, Initials, Title of the Article, Journal Name, Volume, Pages, Year.

(b) For two authors

Surname, Initials and Surname, Initials, Title of the Article, Journal Name, Volume, Pages, Year.

(c) For more than two authors

Surname, Initials, Surname, Initials, and Surname, Initials, Title of the Article, Journal Name, Volume, Pages, Year.

While citing the references in the text, the following format should be followed:

Surname (Year) or Surname *et al.* (Year)

The names of the Journals should be typed as per the style followed by any standard international organization/abstracting Journal such as IEEE/ Chemical Abstracts/ Current Contents/ Physics Abstracts, etc.

ANNEXURE – E
(see Clause XIII.2 (b) (iii))

CANDIDATE’S DECLARATION

I, , certify that the work embodied in this Ph. D. thesis is my own bonafide work carried out by me under the supervision of and the co-supervision of for a period of from to at Banaras Hindu University and The matter embodied in this Ph. D. thesis has not been submitted for the award of any other degree/diploma.
(Name of the Institution where work has been carried out partly or fully)

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and the body of the thesis. I further certify that I have not willfully lifted up some other’s work, para, text, data, results, etc. reported in the journals, books, magazines, reports, dissertations, theses, etc., or available at web-sites and included them in this Ph. D. thesis and cited as my own work.

Date:

(Signature of the candidate)

Place : Varanasi

(Name of the candidate)

Certificate from the Supervisor/Co-supervisor

This is to certify that the above statement made by the candidate is correct to the best of my/our knowledge.

.....
.....
(External Co-supervisor’s signature,
signature, Name & Designation)

(External Supervisor’s
Name & Designation)

.....
.....
(Co-supervisor’s signature,
signature, Name & Designation)

(Supervisor’s
Name & Designation)

(Signature of the HOD/Coordinator of the School with seal)

ANNEXURE – F

(see Clause XIII.1 (c) and XIII.2 (b) (iv))

**COURSE/COMPREHENSIVE EXAMINATION/PRE-SUBMISSION SEMINAR
COMPLETION CERTIFICATE**

This is to certify that Sri/Km./Smt
..... , a bonafide research scholar of this
department/school, has satisfactorily completed the course work/ comprehensive
examination/ pre-submission seminar on (topic) _____ dated _____ requirement
which is a part of his/her Ph. D. programme.

(Signature of the Head of the Department/
Coordinator of the School)

Date:

Place: *Varanasi*

ANNEXURE – G

(see Clause XIII.2 (b) (v))

COPYRIGHT TRANSFER CERTIFICATE

Title of the Thesis :

Candidate's Name:

Copyright Transfer

The undersigned hereby assigns to the Banaras Hindu University all rights under copyright that may exist in and for the above thesis submitted for the award of the Ph. D. degree.

Signature of the candidate

Note: However, the author may reproduce or authorize others to reproduce material extracted verbatim from the thesis or derivative of the thesis for author's personal use provided that the source and the University's copyright notice are indicated.

ANNEXURE – H1

(see Clause XIV.5 (a))

FORMAT OF EXAMINER’S REPORT

**Banaras Hindu University
Varanasi – 221 005**

Recommendation on Ph. D. Thesis

Name of the Candidate:

Title of the Thesis

Please give your **specific recommendation** by ticking (✓) any one of the following, with signature underneath and enclose your **detailed report** on separate sheet(s) with your signature, name and address.

The thesis **be accepted** for the award of the Ph. D. degree []

OR

The thesis **is acceptable** for the award of the Ph. D. degree subject to the clarification of **certain points at the time of Viva-Voce.** []
(Please enclose the points)

OR

The thesis **is not acceptable in the present form but may be accepted** []
subject to **modification/clarification/revision.**
(Please enclose your suggestions for modification etc. desired)
After modification the **thesis need not be referred back to me.**

OR

The thesis **is not acceptable in the present form but may be accepted** []
subject to **modification/clarification/revision.**
(Please enclose your suggestions for modification etc. desired)
After modification the **thesis should be referred back to me for final assessment.**

OR

The thesis **be rejected.** (Please enclose your comments). []

Place

Signature of the Examiner.

Date

Name and Address of the Examiner

.....
.....
.....

Encl: (a) Detailed report on separate sheet(s),
(b) List of points for clarification.

ANNEXURE – H2
(see Clause XIV.5 (g))

FORMAT OF EXAMINER'S REPORT ON REVISED THESIS

Banaras Hindu University
Varanasi – 221 005

Recommendation on Revised Ph. D. Thesis

Name of the Candidate:

Title of the Thesis

Please give your **specific recommendation** by ticking (✓) any one of the following, with signature underneath and enclose your **detailed report** on separate sheet(s) with your signature, name and address.

The thesis **be accepted** for the award of the Ph. D. degree []

OR

The thesis **be rejected.** (Please enclose your comments). []

Place

Signature of the Examiner.....

Date

Name and Address of the Examiner

.....
.....
.....

Encl: Detailed report on separate sheet(s).

ANNEXURE – I
(see Clause XV.1,3,4)
Table – 1

Fees Structure for Ph. D. Programme for Full-Time Research Scholars

S. No.	Particulars	For the Faculty of Engineering and Technology (Rs.)	For all other Faculties (Rs.)
I. Fees payable only once at the time of Admission in the University:			
1.	Enrolment Fee	50	50
2.	Admission Fee	150	150
3.	Laminated Identity Card	18	18
4.	IT-BHU Alumni Association Fee	100	---
5.	Training and Placement Fee	100	---
6.	Library Caution Money*	1,000	1,000
	Total (For Non Hostellers)	1,418	1,218
7.	Mess Caution Money*	1,000	1,000
8.	Fan Caution Money*	1,000	1,000
	Total (For Hostellers)	3,418	3,218
II. Annual Charges Payable at the beginning of Each Year (In the month of July for candidates admitted for July-December session and in the month of January for those admitted for January-June session):			
1.	Research Fee	2,000	1,000
2.	Library Fee	300	100
3.	Laboratory Fee	1,500	1,000
4.	Reprographic Facilities/Publications Fee	200	20
5.	Faculty Development Fee	250	250
6.	Premium for Group Mediclaim Insurance Policy	270	270
7.	Cultural Activities & Literature Fee	30	30
8.	I.T. Gymkhana Fee	200	---
9.	I.T. Day Fee	200	---
	Total (For Non Hostellers)	4,950	2,670
10.	Hostel Rent	230	230
11.	LPG Connection Charges	150	150
12.	Common Room Fee (I.T. Hostels)	100	---
13.	Fan Charges	80	80
14.	Hostel Dev. & Maintenance Fund (Old Hostels)	1,500	1,500
15.	Hostel Dev. & Maintenance Fund (New Hostels)	3,000	3,000
	Total (For Hostellers)	10,010	7,630
III. Fees Payable at the time of Submission of Thesis:			
1.	Examination Fee	2,000	2,000
2.	Charges for Dispatching the Thesis	**	**
	Total (For both Hostellers and Non Hostellers)	2,000	2,000

* Refundable at the time of leaving the University in accordance with Clause XV.6.

** To be deposited at the time of dispatching the thesis as per actual charges.

Note: Additional fees for foreign nationals and NRIs shall be US \$5000 per semester.

Table – 2

**Fees Structure for Ph. D. Programme for
the External Part-Time Research Scholars†**

S. No.	Particulars	For the Faculty of Engineering and Technology (Rs.)	For all other Faculties (Rs.)
I. Fees payable only once at the time of Admission in the Institute:			
1.	Enrolment Fee	50	50
2.	Admission Fee	150	150
3.	Research Fee	2,000	1,000
4.	IT-BHU Alumni Association Fee	100	---
	Total	2,300	1,200
II. Fees Payable at the time of Submission of Thesis:			
1.	Examination Fee	2,000	2,000
2.	Charges for Dispatching the Thesis	**	**
	Total	2,000	2,000

† This fee structure is for the external part-time research scholars, only during the period of their stay in their parent organization. During their stay in the University, they shall pay the normal fee as per Table – 1.

** To be deposited at the time of dispatching the thesis as per actual charges.

Table – 3

**Fees Structure for Ph. D. Programme for the Candidates who are
Teachers/Permanent Employees of the University or
Teachers of the Constituent and Affiliated Colleges of the University**

S. No.	Particulars	For the Faculty of Engineering and Technology (Rs.)	For all other Faculties (Rs.)
I. Fees payable only once at the time of Admission in the Institute:			
1.	Enrolment Fee	50	50
2.	Admission Fee	150	150
3.	IT-BHU Alumni Association Fee	100	---
	Total	300	200
II. Fees Payable at the time of Submission of Thesis:			
1.	Examination Fee	2,000	2,000
2.	Charges for Dispatching the Thesis	**	**
	Total	2,000	2,000

** To be deposited at the time of dispatching the thesis as per actual charges.

STRICTLY CONFIDENTIAL

(Applicable for the Students registered from September' 2005 and onwards)

**APPOINTMENT OF TWO EXTERNAL EXAMINERS TO EVALUATE THE THESIS FOR THE
DEGREE OF PH.D./VIDYAVARIDHI OF BANARAS HINDU UNIVERSITY**

Name of the Candidate	:
Term of Registration	:
Department/Faculty/School of	:
Topic of Research	:

Name of examiners recommended by the Departmental Research Committee at its meeting held on _____ .

(A) Indian Examiners but outside Varanasi (at least FOUR)			
1. Name: Address: PIN: City: e-mail Tel.: FAX	3. Name: Address: PIN: City: e-mail Tel.: FAX		
2. Name: Address: PIN: City: e-mail Tel.: FAX	4. Name: Address: PIN: City: e-mail Tel.: FAX		

Note:

1. DRC should send FOUR names of Indian examiners covering all the regions of the country EXCEPT VARANASI and also FOUR names of experts from foreign universities.
2. Complete postal address including the name of the City/Country in which the Department/university is located Pin/Zip Code, e-mail and Fax/Phone number must also be sent for obtaining quick consent from the experts. In case of e-mail ID please ensure that the same is written LEGIBLY or types correctly.
3. In the case of retired person position held by the examiners at the time of retirement should be clearly mentioned while giving his residential address.

For the use of the Dean of the concerned Faculty:

S.No. _____ approved from panel of Examiner's from India.

Signature of the Dean (along with seal)

Controller of Examinations

