

Gopal Narayan Singh University,

Jamuhar, Sasaram, Rohtas (Bihar) 821305

NARAYAN INSTITUTE OF AGRICULTURAL SCIENCES

APPROVED BY	DATE
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Academic Council	11/11/2024
Board of Management	12/11/2024
Governing Body	15/11/2024



2024

ORDINANCES AND SYLLABI GOVERNING TO COURSES OF

M.Sc. (Ag.), M.Sc. (Hort.) and Ph.D. Programmes

As per recommendations of ICAR's BSMA Committee, 2021

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Ordinances Governing Admission to M.Sc. (Ag.) and M.Sc. (Hort.) Programmes

1.	ADMISSION	
1.1	MODE OF ADMISSION	
	Admission to the M.Sc. courses shall be made/computed on the basis of marks obtained by candidates in a competitive examination called Post Graduated Entrance Test for Agriculture, herein-after abbreviated 'PGET- Ag' to be conducted by the Controller of Examinations, Gopal Narayan Singh University or CUET/ICAR-AIEEA-PG, on a date and centers to be announced from time to time by the concerned institutions.	
1.2	ELIGIBILITY	
	<p>I. Candidates with four years B.Sc. (Ag.)/B.Sc. (Hons.) Agriculture/B.Sc. (Hort.)/B.Sc. (Hons.) Horticulture Degree with credit-based course programme under the guidelines of ICAR or an equivalent qualification.</p> <p>II. The above-mentioned eligibility (as per clause 1.2 [I]) will be applicable for all the departments except Department of Agronomy for which the candidates having B.Sc. (Ag.)/B.Sc. (Hons.) Agriculture is eligible.</p> <p>III. 6.00/10 OGPA for general candidates. For SC/ST/OBC candidates OGPA of 5.5/10 as per university guidelines.</p> <p>IV. Has not secured more than one III division or equivalent O.G.P.A. in his/her academic career.</p>	
1.2.1	Candidates appearing at the respective qualifying examinations shall be eligible to appear at the entrance examination but shall have to provide the proof of their passing the said examination by the date as decided by the university.	
1.3	NUMBER OF SEATS	
	Sr. No.	Name of Department
	1.	Agronomy
	2.	Entomology
	3.	Genetics & Plant Breeding
	4.	Plant Pathology
	5.	Horticulture
		Fruit Science
		Vegetable Science
		Floriculture and Landscaping
		No. of Seat
		25
		25
		25
		25
		10
		10
		10
	Reservation will be applicable as per the rules of Government of Bihar.	
1.4	SUPERNUMERARY ADMISSION/WEIGHTAGES	
1.4.1	ADMISSION OF FOREIGN NATIONALS	
	As per University rules existing at the time of admission	
1.4.2	ADMISSION OF UNIVERSITY EMPLOYEES	
	As per University rules existing at the time of admission	
1.4.3	ADMISSION OF SONS / DAUGHTERS OF PERMANENT EMPLOYEES OF THE UNIVERSITY	
	As per University rules existing at the time of admission	
1.5	ACADEMIC RECORD RATING	
	Not applicable in the light of entrance examination	

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1.6	SCHEME OF ENTRANCE EXAMINATION (PGET-Ag.) The examination shall comprise one paper of 480 marks of two-hour duration consisting of 120 MULTIPLE CHOICE questions.
1.6.1	SYLLABUS FOR THE ENTRANCE EXAMINATION The question paper shall be based on B.Sc. (Ag.) and B.Sc. (Hort.) syllabus which is being taught at the graduation level as approved by ICAR for taking admissions to the M.Sc. (Ag.) and M.Sc. (Hort.) Courses, respectively.
1.7	MERIT LIST FOR ADMISSION
1.7.1	EVALUATION Four marks shall be awarded for each correct answer whereas one mark shall be deducted for each incorrect answer
1.7.2	Candidates shall be selected in order of merit on the basis of the aggregate marks secured at the PGET-Ag. of that academic session.
1.7.3	In case of equal marks at the PGET-Ag the <i>inter-se</i> ranking of the candidates shall be decided in the following order. i. The OGPA obtained by the candidates at the qualifying examination recognized for the purpose of appearing in the PGET-Ag. ii. If the OGPA at the above [vide 1.7.3 (i) examination happens to be the same, the date of birth would be the basis, i.e., the candidate senior in the age would rank higher.
1.7.4	In all matters relating to admission to the M.Sc. courses, the decision of a committee comprising the Admission Committee of Institute and the Admission Committee of the respective Department shall be final.
1.7.5	Scrutiny/re-evaluation of the answer books of the PGET-Ag shall be done as per university rules.
1.7.6	The candidates shortlisted for counseling will be informed individually by registered post/ speed post/ e-mail/ university webpage.
1.7.7	A candidate/ candidates selected for admission may be referred to a Medical Board for Medical Examination for fitness by the Admission Committee, if needed.
1.8	ALLOCATION OF DISCIPLINE The successful candidates on merit basis will be called on a specific date(s) for verification of certificates as and when declared by the university. Those found eligible shall appear, in order of merit, on the given date and time before the Admission Committee for counseling, where they shall be asked to exercise their choice of the subject. The choice once exercised shall be final and no change shall be allowed even if vacancies arise in any discipline at a later stage except with the special permission of competent authority of the university.
1.8.1	INSTITUTIONAL PREFERENCE As per University rules.
1.9	Notwithstanding anything contained in these ordinances, the Entrance Test Notification approved by the Academic Council of the University for the concerned academic year shall be final.

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Ordinances Governing Admission to Ph.D. Programmes

2.0	ADMISSION
	Admissions shall be made in the disciplines where M.Sc. courses are being offered in concerned discipline/department/division.
2.1	MODE OF ADMISSION
	The admission to the Ph.D. programme shall be through the Agriculture Research Entrance Test (ARET)/CUET/ICAR-AICE-JRF/SRF conducted by the concerned institutions along with PGET-Ag. ordinance of the University. In the event of seats remaining vacant after the closer of admission in the first semester candidates may also be admitted in the second semester of the academic year from among the successful candidates of the ARET including those who could not turn up in the first semester. The students getting national/UGC fellowship will be given preference.
2.2	ELIGIBILITY
	A candidate, seeking admission to the Ph.D. programme in the concerned department of shall be required to have passed the qualifying examination in concerned main discipline with credit based course programme securing the minimum 6.5/10 or 2.5/4 or 3.5/5 or 4.0/6 OGPA for general candidates. For SC/ST/OBC candidates OGPA of 6.0/10, 2.0/4, 3.0/5, 3.5/6 as per university guidelines. A candidate must not have more than one III division or equivalent grade point average in his/her academic career.
2.3	NUMBER OF SEATS
	The number of students shall be as per university guidelines or rules.
2.3.1	RESERVATIONS
	Reservation as per Bihar Government rules.
2.4	SCHEME OF ENTRANCE TEST

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- (a) Written Test:
- (b) A candidate possessing the minimum qualifications with the requisite percentage of marks and academic record as prescribed in **Clauses 2.2 supra and Annexure-I** shall be eligible to appear in the written test.
- (c) The written test shall be conducted by the Controller of Examinations normally in the month of May every academic year, the results of which shall be declared ordinarily by the end of June.
- The test shall be of 2-hour duration, carrying 300 marks, consisting of 100 multiple choice questions out of which there would be 40 multiple choice questions (Section 'A') of general nature to test the knowledge of the candidates in fundamentals and also to test their logical and analytical thinking, quantitative ability, language skills, computer awareness, general knowledge, etc. These questions shall be common to all the candidates appearing for the test in all the disciplines and shall be based on the subjects taught at the intermediate/higher secondary and graduate levels. The remainder of 60 multiple choice questions (Section 'B') shall be of specialized nature and discipline specific for each discipline of the Faculty. The candidate shall be required to answer only one such set of 60 questions corresponding to the subject of his/her qualifying degree. These questions shall be of post-graduate level in the concerned subject.

MERIT LIST FOR INTERVIEW / EVALUATION

Three marks shall be awarded for each correct answer whereas one mark shall be deducted for each incorrect answer.

Candidates shall be selected for interview in order of merit on the basis of aggregate marks obtained at the ARET.

ACADEMIC RECORD

The formula for calculating the academic index

= $45 (X_1 + 0.6 X_2 + 0.25 X_3 + 0.15 X_4)/100$, where postgraduate degree is considered as the qualifying examination and

= $90 (X_2 + 0.4 X_3 + 0.3 X_4)/100$, 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.

In case of equal marks at the ARET the inter-se ranking of the candidates shall be decided in the following order.

i. The OGPA obtained by the candidates at the qualifying examination recognized for the purpose of appearing in the ARET.

ii. If the OGPA at the above, (i) examination happens to be the same, the date of birth would be the basis, i.e., the candidate senior in the age would rank higher.

INTERVIEW

Personal Interview

- (a) The Controller of Examinations shall send an alphabetical list of short-listed candidates along with their application forms, to the academic section of the

Institute.

- (b) The academic section of the Institute shall coordinate with each department and after scrutinizing the application forms thoroughly, shall send letters to short-listed candidates to appear in a personal interview, which shall be conducted prior to commencement of a semester.
- (c) The personal interview shall be conducted by a committee consisting of the following members:
- i) Dean of the Faculty or his/her nominee of the Faculty Chairman
 - ii) Director of the Institute (in the case where the Faculty is associated with an Institute or his/her nominee of the Institute) ----- Member
- (d) Two senior Professors of the Institute/Faculty Member(s)
- iv) Concerned Head of the Department----- Member
 - v) Concerned coordinator of Centre -----Member
 - vi) Two seniors members of the concerned DRC excluding the Head/Coordinator -----Member(s)
 - vii) One OBC teacher/Faculty -----Member
 - viii) One SC teacher/Faculty-----Member
 - ix) One ST teacher/Faculty-----Member
- (e) The personal interview shall carry a maximum of 40 marks.
- The marks of "Personal Interview" along with marks of "Academic Record" shall be sent by the concerned department/center to the Controller of Examinations in duplicate. Thereafter the marks obtained by the candidates in ARET would be added by the office of the Controller of Examinations for final computation of the merit list and a copy would be provided to the concerned department/center for declaration of final merit list discipline-wise by the Faculty.
 - Separate merit lists shall be prepared for the ARET qualified candidates.
 - The said committee shall recommend to each department the names of selected candidates who are by habit, character and qualifications, fit and proper to be admitted to the Ph.D. Programme, from ARET qualified (depending on the number of total available seats in the department/school).
 - The Department shall notify the merit list of the selected candidates and shall issue the letter of admission to the candidates.
 - On receipt of the letter of admission, each candidate shall pay the fees and complete other official formalities pertaining to admission within three days.
 - The DRC shall assign a supervisor to supervise the research work.
 - If required, on the request of the supervisor, the DRC shall assign a co-supervisor/external supervisor.



	<ul style="list-style-type: none"> • The Head of the Department/Coordinator 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. • The records of the merit list of both the ARET qualified candidates along with their application forms shall be maintained in the Department. • If some vacancies arise in a department for the even semester, the short-listed candidates who could not be admitted in the immediately preceding odd semester may be called for counseling afresh for admission as per procedure laid above. • Every candidate shall be registered only at the beginning of each semester.
	No full-time Ph.D. Scholar shall accept during the period of research any paid assignment apart from Research Fellowships, Research Assistantships, externally funded research project assignments etc provided it is not detrimental to his/her research programme as determined by the DRC. 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 on the recommendation of the RPC provided it is not detrimental to his/her research programme.
2.5	REGISTRATION Ordinarily the successful candidates shall be registered in the first semester of the Academic year, in order of merit. However, in the event of seats remaining vacant after the close of registration in the first semester candidates may also be registered in the second semester of the academic year from among the successful candidates of the ARET as per Ph.D. Ordinance of the University.
2.6	Notwithstanding anything contained in these ordinances, the Entrance Test Notification approved by the Academic Council for the concerned academic year shall be final.

Annexure-I
Equivalent M. Sc. /M. Sc. (Ag.) or allied subjects for ARET

Sr. No.	Ph.D. Disciplines	Proposed
1.	Ph. D. Genetics and Plant Breeding	M.Sc./M.Sc. (Ag.) in Genetics and Plant Breeding/ Plant Breeding/ Plant Breeding and Genetics/ Genetics
2.	Ph. D. Agronomy	M.Sc./M.Sc. (Ag.) Agronomy
3.	Ph. D. Horticulture (Fruit Science, Vegetable Science and Floriculture & Landscaping)	M.Sc./M.Sc. (Ag.) Horticulture /Fruit Science/Vegetable Science and Floriculture & Landscaping
4.	Ph. D. Plant Pathology	M.Sc./M.Sc. (Ag) Plant Pathology
5.	Ph. D. Entomology	M.Sc./M.Sc. (Ag) Entomology

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ORDINANCES GOVERNING CREDIT AND COURSE REQUIREMENTS OF M.Sc.

(Separate Ordinances for Special Courses will be framed)

3.0	RESIDENTIAL REQUIREMENT																
	Minimum residential requirement for Master of Science shall be four (4) semesters, extendable to a maximum of ten (10) semesters in total.																
3.1	CREDIT AND COURSE REQUIREMENT																
3.1.1	<p>i. Minimum Credit Requirements</p> <table border="0"> <thead> <tr> <th><u>Course work</u></th> <th><u>Credits</u></th> </tr> </thead> <tbody> <tr> <td>Major Courses</td> <td>20</td> </tr> <tr> <td>Minor Courses</td> <td>08</td> </tr> <tr> <td>Supporting Courses</td> <td>06</td> </tr> <tr> <td>Common compulsory courses</td> <td>05</td> </tr> <tr> <td>Seminar</td> <td>01</td> </tr> <tr> <td>Thesis/ Research</td> <td>30</td> </tr> <tr> <td>Total</td> <td>70</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Major courses: the subject (department) in which the student takes admission M.Sc. • Minor courses: The subjects closely related to a student's major subject. • Supporting courses: The subject not related to the major subject. It could be any subject considered relevant for student's research work. • Common compulsory courses: The following courses (one credit each) will be offered to all students undergoing the Master's degree programme. <p>ii. Comprehensive examination is redundant for M.Sc. students.</p> <p>iii. STAT 502 shall be one of the supporting courses compulsory for all M.Sc. students. This course will be pre-requisite for other statistics courses.</p>	<u>Course work</u>	<u>Credits</u>	Major Courses	20	Minor Courses	08	Supporting Courses	06	Common compulsory courses	05	Seminar	01	Thesis/ Research	30	Total	70
<u>Course work</u>	<u>Credits</u>																
Major Courses	20																
Minor Courses	08																
Supporting Courses	06																
Common compulsory courses	05																
Seminar	01																
Thesis/ Research	30																
Total	70																
3.2	A student shall opt Minor courses from two disciplines excluding the supporting Statistics courses (STAT 502).																
3.3	SEMINAR																
	<p>Seminar is compulsory for all the post graduate students and should register and present one seminar. Registration of credit seminar is not allowed in the first two semesters. The seminar topics are to be assigned to the students related to the major fields by seminar In-charge in the beginning of the semester and progress made by the students should be monitored. The circular on the presentation of the seminar by post graduate students may be sent to other departments to enable those interested to attend the same. The performance of the students in credit seminar is evaluated by Head of the department, seminar In-charge and the faculty members present during seminar. Grade point may be given based on the following norms:</p> <ul style="list-style-type: none"> • Coverage of literature: 40 • Presentation: 30 • Use of audio-visual aids: 10 • Capacity to participate in discussion and answering questions: 20 																
3.4	CREDIT LOAD PER SEMESTER																
3.4.1	Credits offered by a student shall be decided by the Chairman of the Advisory Committee.																
3.4.2	A student shall offer a minimum of 8 credits and a maximum of 18 credits in each semester including thesis credits.																
3.4.3	A student shall offer core course in first two semesters.																
3.4.4	The minimum prescribed load shall not be mandatory beyond the first four semesters of study.																

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Ordinances Governing Credit and Course Requirements of Ph.D. Programmes

4.0	RESIDENTIAL REQUIREMENT
4.1	Minimum residential requirement shall be six (6) semesters, extendable to a maximum of fourteen (14) semesters. Under extraordinary circumstances, the Post Graduate Research Committee (PGRC) may grant a further extension of two years for the submission of the thesis, for which the candidates shall apply giving the reasons due to which he/she was not able to submit thesis and his/her application is duly forwarded and recommended by the concerned RPC and the DRC. No further extension shall be given under any circumstances.
4.2	COURSE REQUIREMENT
	<p>CREDIT REQUIREMENT FOR COURSE AND THESIS</p> <p>The Ph.D. programme shall consist of the course work and the research work. Minimum credit requirement for Ph.D. degree shall be 100 credits as prescribed below:</p> <p>(i) Major discipline: 12 credits</p> <ul style="list-style-type: none"> • 500/600 series courses in the discipline where registered. At least 50% of these courses shall be of 600 series <p>(ii) Minor disciplines: 6 credits</p> <ul style="list-style-type: none"> • 500/600 series courses, from any two disciplines. The subjects closely related to a student's major subject. <p>(iii) Supporting subjects: 05 Credits, The subject not related to the major subject. It could be any subject considered relevant for student's research work.</p> <p>(iv) Non-Credit compulsory courses (05) (If a candidate has not offered them at PG Level)</p> <p>(v) Research Plan Proposal Seminar: 0 Credit</p> <p>(vi) Doctoral Seminar: 02 Credit</p> <p>(vii) Pre-Submission Thesis Seminar: 0 Credit</p> <p>(viii) Doctoral Research: 75 Credit</p> <p>Total: 100 Credits</p> <p>Minimum one course from major discipline in each semester, including core courses, must be offered during the first four semesters.</p>
4.2.1	Courses below 500 and of PG series shall not be counted towards the minimum credit requirement of major and minor disciplines and shall, also not be considered for computing OGPA. They may be offered as remedial courses. To qualify, a candidate shall be required to secure a GPA of 6.0 in the course (Detail of the courses as per approved syllabus).
4.3	CREDIT LOAD PER SEMESTER
	RPC of a student shall decide the credit load of each semester subject to a maximum of 18 credits and a minimum of 8 credits including research credits. A candidate will be required to offer at least one core/major course in each of the first four semesters.
4.4	SEMINAR
	Seminar is compulsory for all the Ph.D. students and should register and present two seminars each in two semesters. Registration of credit seminar is not allowed in the first two semesters. The seminar topics are to be assigned to the students related to the major fields by seminar In-charge in the beginning of the semester and progress made by the

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students should be monitored. The credit seminars presented by the Ph.D. scholars should submit an abstract (hard copy) to concerned chairman and present faculty members before presentation, or else the seminar will not be evaluated. The circular on the presentation of the seminar by doctoral students may be sent to other departments to enable those interested to attend the same. The performance of the students in credit seminar is evaluated by Head of the department, seminar In-charge and the faculty members present during seminar.

Grade point may be given based on the following norms:

- **Coverage of literature: 40**
- **Presentation: 30**
- **Use of audio-visual aids: 10**
- **Capacity to participate in discussion and answering questions: 20**

4.4.1 COURSE SEMINAR

A student shall be required to deliver two course seminars before the end of the fourth semester. The seminar shall be awarded credit/grades by the Members of DRC and seminar in charge. In case the credit/grades awarded are below the minimum GP prescribed for passing the course, the student will deliver the seminar again in the same semester.

4.4.2 Research Plan Proposal Seminar

- (a) By the end of the second semester 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.
- (b) The RPC and the DRC 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 by the end of the second semester. All other teachers and students will be invited to the seminar.
- (c) The RPC and the DRC, 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 relevant progress report of the candidate to the Registrar (Academic) with a copy to the Dean.
- (d) If the RPC and the DRC are not satisfied with 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 (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.
- (e) If the candidate fails to submit the research plan proposal by 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, the candidate's admission shall stand cancelled.
- (f) The minimum time between Research Plan Proposal Seminar and thesis submission will be of three semesters to be counted after completion of the semester in which seminar is given.
- (g) If a candidate offers thesis credit in the very first semester of his/her admission, he/she will have to deliver/submit his/her Research Plan Proposal Seminar in that that semester.

	(h) The residential requirement of three years/six semester shall be counted on the basis of the semester ending 30th June/31st December, whichever is applicable
	(This clause is applicable to Ph.D. students only)
4.4.3	THESIS PRE-SUBMISSION SEMINAR
	This seminar shall be delivered only after the completion of at least three semesters from the semester in which the RPP seminar was delivered and only when the candidate has successfully completed his/her oral and written comprehensive examinations. This seminar shall be based on the research work carried out by the candidate.
4.4.4	The seminars (4.4.2 and 4.4.3) shall be judged as satisfactory / unsatisfactory by the members of the RPC of the candidate and DRC of the department.
4.4.5	If unsatisfactory, the candidate shall be required to deliver it again on a date and time specified by the RPC.

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ORDINANCES GOVERNING EVALUATION OF COURSE WORK

5.0	EXAMINATIONS		
	The student's achievements shall be evaluated on the basis of their performance in different tests in the form of written and practical examinations, and thesis and viva-voce examination where applicable. The various tests, their number and relative weightage in each semester shall be as follows:		
	Name of Test	No.	Relative Weightage
	(i) Theory and Practical Course		
	(a) Mid-semester Examination	One	30%
	(b) End-semester Examination		
	(i) Theory	One	40%
	(ii) Practical	One	30%
	(ii) Theory or Practical Courses only		
	(a) Mid-semester examination	One	40%
	(b) End-Semester Examination	One	60%
5.1	MID-SEMESTER EXAMINATION		
	The mid-semester examination shall be of two hour's duration and shall generally cover 50 percent of the total course.		
5.2	END-SEMESTER EXAMINATION		
	This examination covering the entire subject matter of a course shall be held at the end of each semester. The duration of the examination shall be of 3 hrs.		
5.2.1	The End Term Examination shall be confidential and may be internally examined.		
5.2.2	PROJECT REPORT		
	A project report (about 10-15 pages) comprising work on some assignment, visit to centers of research, extension or demonstration work will be submitted by each of the students.		
5.2.3	Wherever a study tour has been prescribed in a course, it shall be compulsory and the students(s) will submit a tour report which will form a part of the practical examination comprising of 10 marks.		
5.3	SUBMISSION OF GRADE		
	The Grades shall be sent within 10 days of the conduct of the examinations, and the answer books of all the examinations shall be returned to the Controller of Examinations.		
5.3.1	SIGNIFICANCE OF GRADES		
	The examinations conducted throughout the semester shall be evaluated in numerals assigning 100 marks to each course. The numerical rating shall be converted to ten-point system by placing a decimal before the last digit called here-in-after "grade"		
5.3.2	MINIMUM GRADE POINT REQUIREMENT FOR PASSING A COURSE /SEMESTER /DEGREE PROGRAMME		
	Minimum grade points required are given below:		
	Passing requirement of	M.Sc. /M.Sc. (Ag.) /Ph.D.	
	A course	6.0	
	A semester	6.5	
	An academic year	6.5	
	Degree Programme	6.5	

5.3.3	EQUIVALENCE OF GRADES IN PERCENT AND AS DIVISION						
	M.Sc. / M.Sc. (Ag.) / Ph.D.						
	Grade x 10.0 = % marks						
	70% and above = First Division						
	Above 65% but below 70% = Second Division						
	Below 60% = Fail						
5.4	CALCULATION OF GP, GPA, and OGPA						
	Grade point and overall grade point average shall be calculated as illustrated here under						
	Credits	Marks			Grade		OGPA
	(Theory + practical)	Mid-term	End-term	Practical	Total	Grade	Grade Point (GP)
	3 (2+1)	25	33	22	80	8.0	24.0
	2 (2+0)	28	50	-	78	7.8	15.6
	2(0+2)	18	-	52	70	7.0	14.0
	7 (4+3)						53.6
	Note :-						
	Grade Point (GP)				: Grade x Credit		
	Grade Point Average				: GP/Credit		
	Over All Grade Point Average (OGPA)				: Total GP/Total Credits		
	Grade				: Total Marks in a Course /10		
5.5	Significance of OGPA						
	M.Sc./Ph.D.						EXPRESSION
	8.00 and above						Excellent
	7.00-7.99						Good
	6.50-6.99						Fair
	Below 6.50						Fail
5.6	PROMOTION FROM FIRST SEMESTER TO SECOND SEMESTER/CURRENT ACADEMIC YEAR TO THE NEXT ACADEMIC YEAR						
5.6.1	A student who maintains or fails to maintain the minimum prescribed GPA/OPGA (clause 5.5) at the end of I semester of an Academic year shall be promoted to the II semester of that Academic year.						
5.6.2	A student who maintains the minimum prescribed GPA/OGPA (clause 5.3.2 and 5.5) for each of the semesters at the end of 2nd Semester of an academic year and does not carry a grade of less than 6.5 [for M.Sc./ Ph.D.] in any course shall be declared to have passed that Academic year and shall be promoted to the next Academic year.						
5.6.3	Ph.D. students(s) admitted in the second semester shall be promoted to the next semester on the basis of his / her performance (clause 5.3.2 and 5.5) in the Semester of admission.						
5.7	IMPROVEMENT OF GP/OGPA						
5.7.1	A repeat examination shall be held for both the odd and even semesters at the end of the concerned academic year for those students who have failed in any of the courses taught during one or both of the semesters or have failed to appear in any of the examinations, if otherwise, eligible. Students who could not appear in the examinations shall be required to produce valid reasons for the absence.						
5.7.2	M.Sc./Ph.D. students having OGPA less than 7.0; and willing to improve their GP/OGPA may also appear in this examination. The repeat examination shall also be evaluated as provided under clause 5.0 .						
5.7.3	The weightage of the Repeat examination shall be as under:						

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	PARTICULARS OF COURSE	EXAMINATION	
		THEORY	PRACTICAL
	Theory + Practical course	70%	30%
	Theory only	100%	--
	Practical course only	--	100%
5.7.4	The better of the two grades shall be used in the computation of GP/OGPA, with remark "R" (repeat) on the transcript.		
5.7.5	Only one chance shall be given to a candidate for improving his/her GP in a course.		
5.7.6	In case a student appearing in the repeat examination vice clause 5.7 supra fails to obtain the minimum prescribed GP/GPA/OGPA he/she shall be declared to have failed in the class where studying.		
5.7.7	The repeat examination shall also be evaluated as provided under clause 5.0 .		
5.8	TRANSCRIPT AND GARDESHEET OF A STUDENT		
	<p>The transcript of a student shall indicate:</p> <p>(i) Course number, course title, credit value, grade, GPA/OGPA and comprehensive, seminar, viva-voce and thesis examination reports and the title of the thesis wherever applicable.</p> <p>(ii) A grade sheet shall be issued for each of the semesters.</p> <p>(iii) Successive transcripts shall carry forward the GPA/OGPA up to the last semester. A combined transcript shall be issued after the completion of the degree programme.</p> <p>(iv) The status of a re-admitted student shall be indicated on the transcript as Re-admitted in the semester where re-admitted.</p> <p>(v) The result shall be indicated as: PASSED / FAILED / PROMOTED as may be applicable.</p> <p>(vi) Course/courses repeated by candidates shall be indicated by a suffix "(R)".</p> <p>(vii) The transcripts will carry the following formula for the conversion of OGPA into percent marks:</p> <p style="text-align: center;">% Marks = OGPA X 10</p>		
5.9	MERIT OF A STUDENT		
5.9.1	The merit shall be decided on the basis of OGPA obtained.		
5.9.2	Students having same OGPA shall be bracketed together.		
5.9.3	A student who has improved his/her OGPA by repeating course/courses or by readmission or by studying extra semester, over and above the minimum prescribed, shall not be eligible for merit.		
5.9.4	A student who has dropped a semester shall also not be eligible for merit.		

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ORDINANCES GOVERNING SPECIAL EXAMINATIONS AND THESIS WORK OF M. Sc.

6.0	ADVISORY COMMITTEE FOR M.Sc. Students
6.1	A student enrolled in Master's degree programme shall be guided by an Advisory Committee comprising three members, two representing the major discipline and one representing the minor discipline.
6.1.1	The Supervisor of the candidate thesis, appointed by the Admission Committee of the Department concerned, shall be the Advisor - Chairman. The Chairman will nominate the other members specified above in consultation with the Head of the Department concerned. However, the member from the minor discipline shall be nominated from such a discipline where the student is going to offer maximum credits.
6.1.2	FUNCTION OF THE ADVISORY COMMITTEE
	The Advisory Committee shall guide the student in the choice of courses in the major, minor disciplines, supporting courses and selection of suitable research problem for thesis and in all other matters relating to his/her academic activities.
6.1.3	The details of the programme of work prepared by the Advisory Committee shall be submitted to Head of the Department for onward transmission to the Controller Examinations before the end of each Semester.
6.2	COMPREHENSIVE EXAMINATION
	A student shall be eligible to appear in the comprehensive examination as soon as he/she successfully completes at least 75% of his/her course requirement. The examination shall be oral and shall be conducted by the Advisory Committee vide a notification of the Head of the Department. No grades shall be awarded in this examination. The performance will be judged as Satisfactory/ Unsatisfactory.
6.2.1	In case the performance of a student is judged unsatisfactory he/she shall be required to appear again after a lapse of at least 8 weeks from the last oral examination.
6.3	THESIS SUPPLICATION
6.3.1	An M.Sc. student shall submit his/her thesis during the fourth semester but on or before 30 th June.
6.3.2	A student submitting his/her thesis after the stipulated date shall be required to register in the current semester with ZERO credits and pay full semester fees.
6.3.3	A student who submits his/her thesis after 30 th June (vice clause 6.3.1 supra) shall be awarded degree of the academic session in which he/she submitted the thesis.
6.3.4	Loose bound thesis, in the standard format as prescribed by the University for M.Sc. Programme, along with soft in a CD copy shall be accepted in the office of the Head of the Department for onward transmission of loose bound thesis only to the Controller of Examinations, after the production of an up-to-date "No dues" certificate by the student.
6.3.5	The thesis shall be submitted loose-bound initially which shall be hard-bound after the viva-voce examination.
6.4	THESIS EVALUATION
6.4.1	APPOINTMENT OF EXAMINER (S)
	The M.Sc. thesis shall be evaluated by the Chairman of the Advisory Committee and One External Examiner. The name of External Examiner shall be decided by the Board of Examiners of the Department from a panel of three eminent persons in the subject area proposed by the Chairman, Advisory Committee.

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6.4.2	The examiners will give a detailed report on the thesis making a clear recommendation whether "Accepted / Rejected / To be Revised".
6.4.3	In case one of the examiners rejects the thesis it will be sent to a third examiner, whose report will be final.
6.4.4	In case the examiner recommends revision, the revised thesis shall be sent to the same examiner for final recommendation.
6.4.5	Re submission will be permitted once only.
6.5	In case the thesis reports are "Satisfactory", viva-voce examination shall be conducted only when he /she has successfully completed all the examinations as per clause 5.5 as well as written and/or oral comprehensive examination (s). The viva-voce examination shall be conducted by the members of the Advisory Committee and the External Examiner who has evaluated the thesis. The examiners shall submit a comprehensive viva-voce report making clear recommendation whether "Satisfactory/Unsatisfactory".
6.5.1	In case the External Examiner who has evaluated the thesis declines to conduct the viva-voce examination, it shall be conducted by the members of the Advisory Committee and another external examiner appointed by the Board of Examiners of the Department.
6.5.2	In case the viva-voce report is "Unsatisfactory" the repeat viva-voce examination shall be conducted vice 6.5 after a lapse of at least 8 (eight) weeks from the last viva-voce examination.
6.5.3	In case the student fails again (6.5.2) he/she shall be declared "Failed" and removed from the rolls of the Institute.
6.6	DECLARATION OF RESULT
	The final result of an M.Sc. (Ag.) Genetics and Plant Breeding student shall only be declared when he/she has successfully completed all the requirements (clauses 5.3, 5.5, 6.2 and 6.4 supra)
6.7	Internship during Masters programme
	<p>Internship for Development of Entrepreneurship in Agriculture (IDEA)</p> <p>Currently, a provision of 30 credits for dissertation work in M.Sc. programme helps practically only those students who aspire to pursue their career in academic/ research. There is hardly any opportunity/ provision under this system to enhance the entrepreneurship skills of those students who could start their own enterprise or have adequate skills to join the industry. Therefore, in order to overcome this gap, an optional internship/ in-plant training (called as IDEA) in lieu of thesis/ research work is recommended which will give the students an opportunity to have a real-time hands-on experience in the industry.</p> <p>It is envisaged that the internship/ in-plant training would enhance the interactions between academic organizations and the relevant industry. It would not only enable the development of highly learned and skilled manpower to start their-own enterprises but also the industry would also be benefitted through this process.</p> <p>This pragmatic approach would definitely result in enhanced partnerships between academia and industry.</p> <p>The main objectives of the programme:</p> <ol style="list-style-type: none"> 1. To promote the linkages between academia and industry. 2. To establish newer University - Cooperative R&D together with industry for knowledge creation, research and commercialization. 3. Collaboration between Universities and industries through pilot projects. 4. To develop methods for knowledge transfer, innovation and networking potential. 5. To enhance skill, career development and employability.

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Following criteria for IDEA will be taken into consideration.

- At any point of time there will not be more than 50% of students who can opt under IDEA.
- Major Advisor will be from Academia and Co-advisor (or Advisory Committee member) from industry.
- Total credits (30) will be divided into 20 for internship/ in-plant training and 10 for writing the report followed by viva-voce similar to dissertation.
- Work place will be industry; however, academic/ research support would be provided by the University or both. MoU may be developed accordingly.
- The IPR, if any, would be as per the University policy.

Note:

- All courses will be completed in three semesters if student opted Internship during Masters programme.
- And, if student want to develop himself as entrepreneur and does not want to go research work under this condition, he can opt. idea of 30 credit.

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ORDINANCES GOVERNING SPECIAL EXAMINATIONS AND RESEARCH WORK OF PH.D.

7.0	RESEARCH COMMITTEE																		
7.1	<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> <ul style="list-style-type: none"> a) The Postgraduate Research Committee of the University (PGRC) b) The Departmental Research Committee (DRC) c) The Research Programme Committee (RPC) 																		
7.2	<p>The PGRC shall consist of the following:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">i) The Vice-Chancellor</td> <td style="width: 40%;">Chairman</td> </tr> <tr> <td>ii) The Rector (if any)</td> <td>Member</td> </tr> <tr> <td>iii) The Director of the Institute (in case where the faculty is associated with an institute)</td> <td>Member</td> </tr> <tr> <td>iv) Dean of the faculty</td> <td>Member</td> </tr> <tr> <td>v) Heads of the Departments</td> <td>Member</td> </tr> <tr> <td>vi) Members of the concerned DRC</td> <td>Member</td> </tr> <tr> <td>vii) Supervisor and Co-Supervisor (if any) of the concerned Ph.D. scholar</td> <td>Member</td> </tr> <tr> <td>viii) Emeritus Scientists/ Emeritus Professors/ Visiting Professors/ Honorary Professors/Adjunct Faculty (if any) in the concerned Faculty.</td> <td>Special Invitees</td> </tr> <tr> <td>ix) Registrar</td> <td>Secretary</td> </tr> </table> <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 PGRC.</p> <p>As the Secretary, the Registrar shall convene all the meetings of the PGRC.</p>	i) The Vice-Chancellor	Chairman	ii) The Rector (if any)	Member	iii) The Director of the Institute (in case where the faculty is associated with an institute)	Member	iv) Dean of the faculty	Member	v) Heads of the Departments	Member	vi) Members of the concerned DRC	Member	vii) Supervisor and Co-Supervisor (if any) of the concerned Ph.D. scholar	Member	viii) Emeritus Scientists/ Emeritus Professors/ Visiting Professors/ Honorary Professors/Adjunct Faculty (if any) in the concerned Faculty.	Special Invitees	ix) Registrar	Secretary
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iii) The Director of the Institute (in case where the faculty is associated with an institute)	Member																		
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v) Heads of the Departments	Member																		
vi) Members of the concerned DRC	Member																		
vii) Supervisor and Co-Supervisor (if any) of the concerned Ph.D. scholar	Member																		
viii) Emeritus Scientists/ Emeritus Professors/ Visiting Professors/ Honorary Professors/Adjunct Faculty (if any) in the concerned Faculty.	Special Invitees																		
ix) Registrar	Secretary																		
7.3	<p>The DRC shall consist of the following:</p> <ul style="list-style-type: none"> i) Head of the Department / Chairman ii) All Professors & Research Scientists "C" Member of the Department + All Professors of the concerned discipline. iii) One Associate Professor + One Assistant Professor of the Member Department, according to seniority, by rotation every two years and senior most Research Scientists "B and A" of the Department + the senior most Faculty member (Associate Professor/ Assistant Professor) of the concerned discipline. iv) Supervisor and Co-Supervisor (if any) Member of the concerned Ph.D. scholar v) Emeritus Scientists/Emeritus Special Invitees Professors Member/ Visiting Professor vi) Honorary Professors / Adjunct Faculty (if any) in the concerned Department. vii) Where there are three or less than three teachers in the Department, the DRC shall consist of the following: viii) The Dean of the concerned Faculty: Chairman 																		

- ix) All teachers of the Department: Member
- x) A Senior teacher of a sister Department (Nominated by the Dean in consultation with the concerned Head of the Department): Member
- xi) In case the Centre does not conduct any teaching program at PG level, the Dean of the concerned Faculty shall nominate 04 senior teachers of departments having expertise in to the research areas of the Centre.
- xii) The DRC shall appoint one of its members as Secretary and Convener.
- xiii) The DRC shall have powers to co-opt such members of the teaching staff of the concerned/sister Department as may be helpful to them in their deliberations.
- xiv) In the case of Faculties consisting of a single department, a senior teacher of sister Faculty recommended by the Dean of the concerned Faculty shall also be a member of the DRC.

7.4	<p>The RPC shall consist of the following.</p> <ul style="list-style-type: none"> i) Supervisor of the concerned Ph.D. Scholar ii) Co-supervisor (if any) of the concerned Ph.D. Scholar iii) A nominee of the Chairman of DRC iv) One expert in the field from the Department v) One or two experts from outside Department <ul style="list-style-type: none"> • Experts mentioned in Clauses 7.4 (iv) and (v) above shall be nominated by the supervisor of the candidate and approved by the DRC. • In the case of Faculties consisting of a single department, Clause 7.4 (v) shall not be applicable. • A teacher who is not eligible to guide a Ph.D. scholar as per Clause 8.1.1 (I) or due to not satisfying the conditions laid down in Clause 8.1.1 (d) read with Clause 8.1.1(k) or the one referred under Clause 8.1.3(c) of these ordinances cannot become a member of any of the research committees mentioned above. • The DRC 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 PGRC and/ or the Academic Council in regard to the Ph.D. programme from time to time. 	<p>Chairman</p> <p>Member</p> <p>Member</p> <p>Member</p> <p>Member (s)</p>
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8.1 GUIDELINES FOR APPOINTMENT OF SUPERVISOR / CO-SUPERVISOR

- 8.1.1 Appointment of Supervisors and Co-Supervisors:**
- (a) Every candidate admitted in the Ph.D. programme shall be assigned a Research Supervisor, by the DRC of the concerned Department on the mutual consent of the student and faculty members. The DRC may assign a Co-Supervisor (if necessary) on the request of the Supervisor.
 - (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.

- (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 but not exceeding three semesters in continuation or in parts, 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.
- (d) The permanent Professor/Associate/Assistant Professor of the University with at least two research publications in refereed journals (more than 5.0 NAAS rating) may be recognized as Research Supervisor.
- (e) Provided that in areas/discipline where there is no or only a limited number of refereed journals, the University may relax the above condition for recognition of a person as Research Supervisor with reasons recorded in writing. A full-time regular teacher has been permitted to act as a supervisor.
- (f) Scientists/Scientific Officers/Research Officers who are appointed for a period of not less than 5 years under research projects in the University and who hold Ph.D. degree with at least 2 publications 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.
- (g) 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.
- (h) Professors Emeritus/Distinguished Professor/UGC 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).
- (i) A faculty member on retirement may continue to be the supervisor, if he/she is reemployed or appointed as Professor Emeritus/Distinguished Professor/UGC Scientist/ Fellow on retirement.
- (j) A faculty member who has three years of services before the retirement can be allowed to enroll/supervise a research scholar and can continue to be the supervisor of already registered candidates even after his/her retirement provided the DRC are convinced of his/her availability for continued guidance to the candidate.

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- (k) A teacher who has retired 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.
- (l) Notwithstanding **Clause 8.1.1 (d)**, a permanent/retired faculty member or an Emeritus Professor/Scientist/Fellow employed in a department 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.
- (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.

8.1.2 Quota of Ph.D. Scholars

- (a) The maximum number of full-time candidates who can be supervised by a faculty member at any time shall be as follows:
 - by an Professor – 8,**
 - by an Associate Professor – 6,**
 - by an Assistant Professor – 4,**
- (b) In case a co-supervisor is also appointed, a full-time candidate shall be counted towards the quota of both the supervisor and the co-supervisor.
- (c) All full-time research scholars registered for Ph.D. shall be counted within the quota till they submit their thesis.
- (d) A faculty member can supervise a maximum number of two external part time candidates at any time and it shall not be counted towards the quota provided at (a) above.
- (e) An Internal Adjunct Faculty can enroll a maximum number of two candidates in the host department of the University (where he/she is appointed as internal adjunct faculty) at any time and such enrolment shall not be counted towards the quota provided at (a) above.
- (f) The quota prescribed to Professor Emeritus and Distinguished Professor for the registration of Ph.D. students shall be same as that allotted to a Professor.
- (g) The teachers of the University shall also be permitted to guide Ph.D. Scholars admitted in other Universities of national importance, provided that
 - (i) There is a vacancy with the guide under whom the candidate intends to work
 - (ii) The sponsoring university seeks prior permission in the matter and
 - (iii) The concerned DRC approves it.

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8.1.3	<p>Appointment of a New Supervisor:</p> <p>(a) If the supervisor of a candidate proceeds on leave/lien/deputation 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 a co-supervisor shall be appointed. However, if the candidate submits the abstract of the thesis or the thesis itself before the supervisor proceeds on leave, then no co-supervisor shall be required. Further, if the Supervisor of a candidate proceeds on lien/deputation to another institution for a period of more than 12 months, the DRC may permit a candidate to complete his/her research work under the same supervisor in that institution provided consents of the supervisor, candidate and the host institution is available and the DRC is convinced that the facilities available in the host institution are adequate for successful completion of research work.</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 placed under suspension, he/she shall cease to be the supervisor during the entire period of his/her suspension, then the DRC shall appoint a new supervisor.</p> <p>(d) If a teacher, except for the one governed by the Clauses 8.1.1 (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 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 shall appoint a new supervisor.</p> <p>(f) If a candidate, for cogent reasons, intends to change his/her supervisor, it shall be permitted by the DRC by the mutual consent of present supervisor, proposed supervisor and the candidate.</p>
8.2	<p>TIME PERIOD REQUIREMENTS</p>
8.2.1	<p>Minimum period of research work required for the submission of thesis</p> <p>The minimum period of work required for submitting the thesis for the full-time candidates admitted to the Ph.D. programme shall be as follows:</p> <ol style="list-style-type: none"> 1. 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 3 years from the date of his/her admission, i.e., date of deposition of fee. 2. 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 in sixth semester.
8.2.2	<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 8.2.1, the Head of the Department, with the recommendation of the RPC and</p>

	<p>the DRC may grant an extension of up to four semesters (one semester 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 8.2.2 (a) due to cogent reasons, he/she may be given additional one semester of extension for submitting the thesis, by the Dean of the faculty, on the recommendation of the RPC and the DRC, such that the total period for the submission of the thesis counted from the date of his/her admission does not exceed seven years.</p> <p>(c) Under extraordinary circumstances, the PGRC 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. No further extension shall be given under any circumstances.</p>
<p>8.2.3</p>	<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, 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, 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> <p>If a full-time research scholar is appointed as a permanent employee (Teaching/Non-teaching) of this university then his/her candidature may be changed from full time research scholar to an internal part-time research scholar with minimum residence period of 3 years subject to the condition that a candidate has to apply for no objection certificate from his/her employer and it will be routed through DRC.</p>
<p>8.2.4</p>	<p>The DRC may recommend a full-time Ph.D. scholar to pursue a part of his/her research work at a place outside 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 PGRC, 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>8.3</p>	<p>Research Programme Committee (RPC)</p>
<p>8.3.1</p>	<p>The RPC shall be constituted as per clause 7.0 of ordinance.</p>

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8.3.2	The DRC may also appoint a Co-Supervisor on recommendation of the Chairman of the Advisory Committee of the student.
8.3.3	FUNCTIONS OF THE RPC
	The RPC of a Ph.D. student shall: i. Prescribe major, minor, supportive and remedial courses, ii. Finalize research plan proposal of the research work, and iii. Guide the student in all matters related to his/her academic activities.
8.4	ALLOCATION OF STUDENTS TO A SUPERVISOR
	Allocation of students to a supervisor for guiding thesis shall be done by DRC as per mutual consent with the teachers and students.
8.4.1	QUOTA OF Ph.D. STUDENTS UNDER A SUPERVISOR Vide clause 8.1.2 Quota of Ph.D. Scholars, of the Ph.D. Ordinance of the University.
8.5	VACANCY UNDER A SUPERVISOR
	A seat shall be considered vacant only when a student submits his/her thesis or on the expiry of eight semesters from the date of registration/ or on the cancellation of his her registration.
8.6	REGISTRATION PERIOD and EXTENSION OF REGISTRATION PERIOD Vide clause 8.2 - Time period Requirements of Ph.D. Ordinance of the University.
8.7	Research Plan Proposal (RPP)
	Within 15 days from the date of the RPP seminar a student shall submit six copies of a detailed RPP through his/her RPC to the Head of the Department. The RPP shall be considered by the DRC including the Chairman of the RPC of the student. If the RPP is not approved, the candidate shall be asked to deliver the RPP seminar again and submit the revised RPP for reconsideration of the DRC. Through his/her RPC. A copy of the approved RPP shall be provided to the student and the supervisor. (Annexure-II)
8.7.1	Ordinarily a Ph.D. student will start his/her research work only after approval of the Thesis RPP.
8.8	PROGRESS REPORT
8.8.1	Progress Report: (a) The DRC 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 co-supervisor, if any. (b) The candidate shall make presentation on 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. (c) The Chairman of the DRC shall forward the progress report with specific recommendations to the Registrar (Academic) with a copy to the Dean. (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 9.12 . 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 before submission of thesis.
8.8.2	Research Plan Proposal

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- (a) At the end of the second semester the candidate shall submit to the RPC, a research plan proposal generally consisting of preamble, definition of the problem, objective of work, approaches to be adopted, 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.
- (b) The RPC and the DRC 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.
- (c) The RPC and the DRC, 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.
- (d) If the RPC and the DRC 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 (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.
- (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 even after complying with **Clause 8.8.2 (d)**, the candidate's admission shall stand cancelled.

8.9 CHANGE OF TOPIC OF RESEARCH

8.9.1 MAJOR CHANGES

In case of "major" change(s) the Ph.D. student shall be required to submit a fresh RPP and deliver the RPP seminar again. The minimum four semesters from the date of admission for supplication for the thesis for such a candidate shall be counted from the semester in which the revised RPP was approved.

8.9.2 MINOR CHANGE

In case of a "minor" change the candidate may be allowed to continue research as planned earlier incorporating the change.

8.10 COMPREHENSIVE EXAMINATION

8.10.1 A student shall be eligible to appear in the comprehensive examination as soon as he/she successfully completes at least 75% of his course requirements.

8.10.2 The comprehensive examination shall be written and oral. The written examination shall comprise two theory papers one from the major subject and other from the minor fields + supporting courses covering the entire course work. Each paper shall be of 100 marks. A student shall be required to secure at least 60 percent marks in each paper for passing this examination.

8.10.3 The question paper for the written comprehensive examination shall be prepared by the concerned course Instructors of the respective major, minor and supporting who will also examine the answer scripts. This examination shall be arranged by the Chairman in consultation with members of the RPC and the Head of the Department.

8.10.4 On successful completion of the aforesaid examination, he/she shall qualify to appear in

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	Oral Comprehensive examination to be conducted by the RPC along with one outside expert member from the major field.
8.10.5	The external examiner shall be appointed by the Dean from a panel of three names submitted by the Chairman of the RPC and approved by the DRC.
8.10.6	The examiners shall submit a comprehensive report making clear recommendation as "Satisfactory/Unsatisfactory".
8.10.7	In case the performance of a student is judged "Unsatisfactory" he/she shall be required to appear again, after a lapse of at least 12 weeks from the last oral examination, which will be conducted vide clause 8.10.4 .
8.11	THESIS PRE-SUBMISSION SEMINAR -
8.11.1	This seminar shall be delivered only after the completion of at least three semesters from the semester in which the RPP seminar was delivered and only when the candidate has successfully completed his/her oral and written comprehensive examinations. This seminar shall be based on the research work carried out by the candidate.
8.11.2	A Ph.D. student is not required to be registered in a semester for delivering this seminar.
8.12	THESIS SUPPLICATION Vide clause XIII - Submission of the thesis of the Ph.D. Ordinance of the University
8.12.1	A Ph.D. student will submit his/her thesis only after the expiry of the minimum residential period provided, he/she maintains the minimum prescribed OGPA for passing the degree programme, and successfully completed comprehensive examination. 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.
8.12.2	A Ph.D. student shall ordinarily supplicate his/her Ph.D. thesis within Six months from the date of the Pre- Submission Seminar. The Ph.D. student will submit: <ul style="list-style-type: none"> (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 8.2.2), failing which he/she shall be required to deliver a fresh pre- submission seminar. (b) The candidate shall submit the thesis to the Registrar (Academic), duly forwarded by the Head of the Department. While submitting the thesis, the candidate shall submit the following: <ol style="list-style-type: none"> 1. 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. 2. Four hard copies and one soft copy (in a CD) of the thesis in English approved by the concerned DRC as per the format given in Annexure - A. 3. A declaration by the candidate as per the format given in Annexure - B. 4. A course/comprehensive examination/pre-submission seminar completion certificate, wherever applicable, by the Head of the Department as per the format given in Annexure - C. 5. A copyright transfer certificate as per the format given in Annexure - D. (c) The candidate may submit the copies of the abstract (in hard and soft forms) one month before the submission of the thesis in order to expedite the process of evaluation.

(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 Registrar (Academic) at the time of submission of thesis.

(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.

(f) No part of the thesis shall have been submitted for the award of any other degree or diploma of any university.

(g) The thesis shall contain a copyright certificate at the beginning of the thesis on a separate page.

(h) A thesis once submitted cannot be re-submitted except when the examiner recommends for the revision of the thesis.

(i) The Academic Section shall send the thesis/abstract to the office of the Controller of Examinations within two working days after the submission

8.13 THESIS EVALUATION

8.13.1 Panel of Examiners

(a) The Supervisor shall propose a panel of examiners of at least six experts from within the Country in the area of the Ph.D. thesis for consideration of DRC 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.

(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. The panel shall not include the name/names of any person/persons with whom the candidate has published a research paper.

(c) Complete and current addresses of all the examiners proposed in the panel with their e- mail addresses and mobile number shall be provided by the Supervisor.

(d) The Panel of Examiners shall be considered and approved by the concerned DRC. All the examiners as listed in the panel shall be from the specific area of research work and if required, the DRC may modify the panel.

(e) The Supervisor of the candidate/Chairman of DRC shall obtain prior 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.

(f) Before forwarding the thesis/abstract to the Academic section of the University, the Head of the Department shall ensure that the Board of Examiners has been constituted for the evaluation of thesis.

8.13.2 Board of Examiners

(i) The panel of Examiners duly approved by the DRC shall be sent by the Chairman of DRC to the Dean of the concerned Faculty.

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	<p>(ii) 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, 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 Registrar (Academic) for records.</p>
8.13.3	<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>The examiner's consent via email may be accepted and thesis may be forwarded for the evaluation.</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 8.13.2.</p>
8.13.4	<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 (via email or postal services) 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, 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 8.13.2.</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>

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- (i) substantial contribution to the subject,
 - (ii) a fresh approach towards interpretation of facts or theories, or
 - (iii) Evidence of creativity and originality.
- (f) The examiner shall be required to give his/her opinion about candidate's ability for critical examination and sound judgment.

8.13.5 Examiner's Report

- (a) The examiners shall submit the report on a prescribed form as given in **Annexure - E (1)**, and shall make one of the following recommendations:
- i) The thesis be accepted for the award of the Ph.D. degree.
 - 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.
 - 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.
 - iv) The thesis be rejected.
- (b) If both the examiners recommend acceptance of the thesis for the award of the Ph.D. degree, the thesis shall be accepted.
- (c) If both the examiners recommend rejection of the thesis for the award of the Ph.D. degree, the thesis shall be rejected.
- (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.
- (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 for satisfactory compliance of the desired revision.
- (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 **Annexure - E (2)**. 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 8.13.5 (c), (d), (e), (f) or (h)**.
- (g) If one examiner recommends rejection of the thesis and the other recommends acceptance, then a third examiner shall be appointed as per **Clause 8.13.2** from the panel of already approved examiners. In such cases, **Clause 8.13.5 (i)** shall apply.
- (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.
- (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

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	<p>not rejected the thesis) an action appropriate to the case mentioned in Clauses 8.13.5 (c), (e) or (f) shall be taken.</p> <p>In case the third examiner recommends the rejection of the thesis, his/her recommendation shall be final and the thesis shall be rejected.</p>
8.13.6	<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>
8.13.7	<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>
8.13.8	<p>VIVA-VOCE EXAMINATION</p> <p>Viva-Voce of the Ph.D. Ordinance of the University except that the Viva-Voce Board shall consist of</p> <ol style="list-style-type: none"> i. The RPC ii. One External Examiner iii. DRC Nominee <p>The Supervisor of the thesis will be Chairman of the Viva-Voce Board.</p> <p><u>Viva-Voce</u></p> <ol style="list-style-type: none"> (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. (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 a month from the date of communication to them from the Controller of Examinations for conducting the Viva-Voce. (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. The supervisor shall be the chairman of the VVC. (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). (e) In the case of non-availability of the Indian Examiner for conducting the Viva-Voce, the Vice-Chancellor may appoint another examiner. (f) In the case of inability of the Supervisor or Co-Supervisor to conduct the Viva-Voce due to any reason, the Head of the Department 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. (g) The VVC shall be provided with the reports of all the examiners before the Viva-Voce. (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: <ol style="list-style-type: none"> i) that the degree be awarded, ii) that the candidate be re-examined in a second Viva-Voce,

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	<p>iii) that the degree be not awarded and the thesis be rejected.</p> <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 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 Examiner's on the thesis are unanimous without any major critical comments or corrections, the Viva-Voce Examination shall be conducted via Video-Conferencing.</p>
8.13.9	<p>Review of Examiner's 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 examiner's 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>
8.13.10	<p>Award of the Degree</p> <p>a) The reports of all the examiners and the Viva-Voce examination shall be placed before the concerned PGRC for consideration. In the case of unanimous recommendations, the PGRC 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 PGRC shall take its specific decision based on the reports of the examiners as well as the VV examination.</p> <p>b) After the approval of thesis by the PGRC 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 examiner's reports after the approval of the thesis for which he/she shall apply separately. However, the examiner's 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/subject of his/her Postgraduate - discipline/subject of Ph.D. of his/her research and the Department/ School/Centre 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. Degree" of the</p>

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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. degree of the University, or based upon that thesis.

ORDINANCES DEFINING OTHER TERMS

9.0	ACADEMIC YEAR
	The Academic year shall be divided into two (2) semesters of approximately 120 working days each including examinations.
9.1	FEES
	Students shall pay fees as prescribed by the University from time to time.
9.2	COURSES/ DISCIPLINES
9.2.1	MAJOR DISCIPLINE
	The particular course in which a student is enrolled shall be his/her major discipline.
9.2.2	MINOR DISCIPLINE
	A related discipline other than the major discipline in which a student offers at least eight for M.Sc. and six credits Ph.D. of courses shall constitute his/her minor discipline.
9.2.3	CORE COURSE
	Compulsory course prescribed for all the students of the Major Discipline.
9.2.4	OPTIONAL COURSE
	Courses of the Major discipline that a student can select on the advice of the RPC.
9.2.5	i. MINOR COURSES Courses of sister discipline that a student admitted to a Major Discipline can select on the advice of the RPC. ii. SUPPORTING COURSES The subject not related to the major subject. It could be any subject considered relevant for student's research work or necessary for building his overall competence.
9.2.6	OFFERING OF THE SAME COURSE: A student cannot offer the same course again in any degree programme unless failed.
9.2.7	ADDITIONAL COURSE M.Sc./ Ph.D. student may be advised to take additional courses to make up any deficiency. Such a course shall be called as Additional Course. The grades awarded in such courses shall not be considered for the calculation of GPA/OGPA. However, the student will be required to pass the course. The Additional Courses offered shall appear in their transcript under the title 'Additional Course'.
9.3	REGISTRATION
9.3.1	REGISTRATION IN A SEMESTER
	The students shall be required to pay their fees within 5 days of the admission.

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9.3.2	REGISTRATION IN A COURSE
	The students of M.Sc./ Ph.D shall be required to register for course/courses within 3 days of the start of the semester.
9.4	CANCELLATION OF ADMISSION/REGISTRATION OF A M.Sc./ Ph.D. STUDENT
	The Admission of a student is liable to be cancelled on the occurrence of any one of the following: <ul style="list-style-type: none"> i. If he/she fails to deposit fees within 10 days of the start of the semester. ii. If he/she fails to attend classes, and absents continuously for 10 days or more without permission. iii. If a M.Sc. student fails to register in any course / thesis credits in any of the semester(s) unless he/she has dropped that semester(s). iv. If the attendance of a student is less than 25% in any semester. v. If the two consecutive progress reports of a Ph.D. student are not satisfactory, or not submitted in any semester/term. vi. On an act of indiscipline as per University rules.
9.5	ABSENCE FROM EXAMINATION
	A candidate who fails to appear at any of the examinations shall be marked absent and awarded ZERO mark in the Examination/s.
9.6	RE-ADMISSION
	Students who have failed to maintain the minimum prescribed GP/GPA/OGPA or who have been detained from appearing in the examination due to shortage of attendance may be readmitted (provided the attendance is more than 25%) on application, if otherwise eligible. A student can be re admitted only once in the same class.
9.6.1	RE ADMISSION OF A FAILED STUDENT
	A post graduate student (M.Sc./Ph.D.) may be readmitted in the current semester. He/She shall be required to complete the degree programme within the maximum residential period prescribed to be counted from the date of his/her first admission.
9.6.2	READMISSION OF A STUDENT DETAINED FROM APPEARING IN EXAMINATIONS
	Students having at least 25% attendance in aggregate may be readmitted on application. Those having less than 25% attendance shall not be eligible for readmission. An M.Sc./Ph.D. student may be readmitted in the current semester.
	In case a re-admitted student (readmitted on failure or after detention) fails again at the end of the academic year in the main as well as in the repeat examinations, he/she shall be removed from the rolls of the Institute.
9.7	DROPPING OF A COURSE
	An M.Sc. / Ph.D. student with approval of his/her supervisor and the Head of the Department may drop a course within 15 days of registration.
9.8	TEMPORARY WITHDRAWAL FROM STUDIES

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The Dean may allow temporary withdrawal to a student on any one of the following:

- i. Illness of self to be supported by medical certificate;
- ii. Death of parent/ Guardian or in the case of married student, the spouse.
- iii. Temporary withdrawal shall not be allowed for taking up any employment during the course programme.
- iv. An M.Sc. student who has completed all the requirements except the thesis submission may be allowed temporary withdrawal to take up any assignment provided his/her application has been approved and forwarded by the Supervisor & HOD.
- v. A Ph.D. student may be allowed temporary withdrawal to take up any assignment only when he/she has completed course work, course seminar, research work as per RPP as well as written and oral comprehensive examination, provided his/her application has been approved and forwarded by the RPC and DRC.
- vi. A student who has been allowed temporary withdrawal will complete his/her degree programme within the prescribed maximum registration period.
- vii. During the period of withdrawal the candidates will not be required to pay any fee. However, fee already paid (temporary withdrawal involving part of a semester) shall not be refunded.
- viii. An undergraduate student who has been allowed temporary withdrawal shall join in the same semester where he/she was allowed to withdraw.
- ix. An M.Sc./Ph.D. student shall have an option to join in the current semester.
- x. All such students who have been granted temporary withdrawal will join within five (5) days of the start of the semester.
- xi. An M.Sc. student will submit his/her application through his supervisor and the Head of the Department whereas a Ph.D. student will submit his/her application through the Supervisor RPC and DRC.
- xii. The temporary withdrawal shall not be granted in the First semester of Admission.
- xiii. The residential requirement of students allowed temporary withdrawal shall be automatically extended by the duration of the withdrawal. However, such candidates shall be required to complete the degree programme within the maximum period prescribed.

9.9 SCRUTINY

A student finding some discrepancy in his/her transcript will submit an application within two weeks from the date of declaration of his/her results to the Dean who will have the results scrutinized.

9.10 UNFAIR MEANS

Students found using unfair means during any examination shall be punished as per the University Ordinances applicable at that time.

9.11 ATTENDANCE REQUIREMENT

As per University rules

9.12 LEAVE OF A RESEARCH STUDENT

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9.12.1	Leave Rules (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 during their entire tenure as research scholars. (b) The leave shall be granted by the Head of the Department on the recommendation of the supervisor/co-supervisor.
9.12.2	LEAVE OF ABSENCE ON RESEARCH ASSIGNMENT After the approval of his/her synopsis a Ph.D. student may be allowed leave of absence for 15 days in a semester for carrying out research related work outside University. This period shall be counted while calculating his/her attendance. The student will submit his/her application to the Head of the Department through her RPC.
9.13	CONDUCT OF VIVA-VOCE (ORAL) EXAMINATION IN THE ABSENCE OF CHAIRMAN OF THE ADVISORY COMMITTEE / RPC.
9.13.1	In the absence of the Chairman the Viva-voce (Oral) examinations of M.Sc. (and Ph.D. students shall be conducted under the Chairmanship of Co-supervisor, if any or the Head of the Department with prior permission of the competent authority.
9.13.2	In the absence of a member, the Chairman of the Advisory Committee / RPC will nominate another member(s) on the Advisory Committee / RPC in consultation with the Head of the Department. The name of the member will be recorded as additional name(s).
9.14	TITLE OF THE DEGREES The degrees to be awarded after the successful completion of various courses shall have the following titles.
9.14.1	Master of Science in Agriculture/Horticulture specialization in Agronomy, Plant Pathology, Genetics and Plant Breeding, Entomology, Fruit Science, Vegetable Science, Floriculture and Landscaping
9.14.2	DOCTOR OF PHILOSOPHY DEGREE will be awarded in the same subject as given under clause 9.14.1.
9.14.3	Specializations within a degree M.Sc./Ph.D.
9.15	COMMITTEES OF THE INSTITUTE / DEPARTMENT
9.15.1	INSTITUTE ADMISSION COMMITTEE The Admission Committee shall comprise the following: i. Director – Chairman ii. Dean iii. Two Senior most teachers of the rank of Professor iv. OBC Representative v. S.C. Representative vi. S.T. Representative vii. Assistant Registrar – Secretary
9.15.2	ADMISSION COMMITTEE OF THE DEPARTMENT

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The Admission Committee shall comprise the following:

- i. Head of the Department – Chairman
- ii. Two Senior most teachers
- iii. OBC Representative
- iv. SC Representative
- v. ST Representative
- vi. A permanent teacher to be co-opted on rotation basis to act as Secretary of the Committee.

9.15.3 BOARD OF EXAMINERS OF THE DEPARTMENT

The Board of Examiners shall comprise the following:

- i. Head of the Department – Chairman
- ii. Two Senior most teachers
- iii. Optional co-opted members

Note:

From the date when these Ordinances come into operation all previous ordinances on the subject shall cease to have effect. Provided that this revocation shall not affect the previous Ordinances so revoked or anything done or suffered under any previous Ordinance so revoked or affect any right, privilege, obligation or liability acquired, arrived or incurred under any Ordinance so revoked.

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

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ANNEXURE - II

FORMAT FOR THE PRESENTATION AND APPROVAL OF RESEARCH PLAN PROPOSAL

This is to certify

(a) That Sri/Ms, a bonafide research scholar of this department, has given a detailed seminar on his Research Plan Proposal before the RPC and DRC as detailed below:

Topic:

Date/Time:

(b) That his/her Research Plan Proposal has been examined in view of academic merit and that the RPC and DRC is satisfied/not-satisfied by the content and quality of Proposal,

(c) That his/her presentation was excellent/good/satisfactory/not-satisfactory and that he/she was able/unable to defend the proposal and answer he proposal related questions,

(d) That he/she is allowed/not-allowed to submit the Research Plan Proposal.

In case of unsatisfactory Proposal/presentation following suggestions are given by the RPC and DRC.

Date:

Signature of Head of Department

Place:

Signature of RPC Members

Signature of DRC Members

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ANNEXURE - A
FORMAT OF THE M.Sc. THESIS

The following format may be normally adopted for the M.Sc. 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 - B*)
5. Certificate for the completion of course work/comprehensive examination in cases where the course work is a part of Ph.D. programme (*Annexure - C*)
6. Certificate for the successful completion of the pre-submission seminar (*Annexure - C*)
7. A copyright transfer certificate (*Annexure - D*)
8. Acknowledgments
9. Contents
10. List of symbols, figures and tables, if any
11. Preface of the thesis
12. Introduction
13. Review Literature
14. Materials and Methods
15. Results and Discussion
16. Summary and Conclusion
17. Bibliography
18. Appendices
19. List of papers communicated/accepted/published/presented.
20. 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.*

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ANNEXURE - A

FORMAT OF THE Ph.D. THESIS

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

21. Cover page
22. Inner cover page
23. Undertaking from the candidate
24. Self-declaration certificate from the candidate and Certificate from the Supervisor/Co-Supervisor/Head of the Department (*Annexure - B*)
25. Certificate for the completion of course work/comprehensive examination in cases where the course work is a part of Ph.D. programme (*Annexure - C*)
26. Certificate for the successful completion of the pre-submission seminar (*Annexure - C*)
27. A copyright transfer certificate (*Annexure - D*)
28. Acknowledgments
29. Contents
30. List of symbols, figures and tables, if any
31. Preface of the thesis
32. Introduction
33. Review Literature
34. Materials and Methods
35. Results and Discussion
36. Summary and Conclusion
37. Bibliography
38. Appendices
39. List of papers communicated/accepted/published/presented.
40. Copies of acknowledgment/acceptance letter in case the papers are communicated/ accepted.
41. Copies of manuscripts/reprints of the papers communicated/accepted/published.
42. 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 - B
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 Gopal Narayan Singh 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:

(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, Name & Designation)

.....

(External Supervisor's signature, Name & Designation)

.....

.....

(Co-supervisor's signature, Name & Designation) (Supervisor's signature, Name & Designation)

(Signature of the HOD with seal)

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ANNEXURE - C

COURSE/COMPREHENSIVE EXAMINATION/PRE-SUBMISSION
SEMINAR COMPLETION CERTIFICATE

This is to certify

- (a) That Sri/Ms....., a bonafide research scholar of this department, has satisfactorily completed the Ph.D. course work and has been successful in comprehensive examination,
- (b) That his/her open Ph.D. thesis Pre-Submission seminar on (topic)..... was held on (date).
In the department from (time).
- (c) That the DRC is satisfied/not-satisfied with the quality of the work of candidate,
- (d) That the candidate described the thesis work satisfactorily/unsatisfactorily and answered the questions related with the basics understanding of the subject and thesis work satisfactorily/unsatisfactorily,
- (e) That the DRC gave following suggestions for the improvement of quality of work/performance of pre-submission seminar.

Date:

Signature of Head of Department

Place:

Signature of DRC Members

ANNEXURE-D

COPYRIGHT TRANSFER CERTIFICATE

Title of the Thesis:

Candidate's Name:

COPYRIGHT TRANSFER

The undersigned hereby assigns to the Gopal Narayan Singh 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.

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ANNEXURE - E (1)
FORMAT OF EXAMINER'S REPORT
Gopal Narayan Singh University, Jamuhar- 821305
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

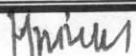
.....

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.....

Encl: (a) Detailed report on separate sheet(s),

(b) List of points for clarification.



ANNEXURE - E (2)

FORMAT OF EXAMINER'S REPORT ON REVISED THESIS

Gopal Narayan Singh University,

Jamuhar- 821305

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).

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[Signature]

10. ORGANIZATION OF COURSE CONTENTS & CREDIT REQUIREMENTS

10.1 Code Numbers

- All courses are divided into two series: 500-series courses pertain to Master's level, and 600-series to Doctoral level.
- A Ph.D. student must take a minimum of two 600 series courses, but may also take 500-series courses if not studied during Master's programme.
- Credit seminar for Master's level is designated by code no. 591, and the two seminars for Doctoral level are coded as 691 and 692, respectively.
- Similarly, 599 and 699 codes have been given for Master's research and Doctoral research, respectively.

10.2 Course Contents

The contents of each course have been organized into:

- Objective – to elucidate the basic purpose.
- Theory units – to facilitate uniform coverage of syllabus for paper setting.
- Suggested Readings – to recommend some standard books as reference material. This does not unequivocally exclude other such reference material that may be recommended according to the advancements and local requirements.
- A list of journals pertaining to the discipline is provided at the end which may be useful as study material for 600-series courses as well as research topics.
- E-Resources - for quick update on specific topics/events pertaining to the subject.
- Broad research topics provided at the end would facilitate the advisors for appropriate research directions to the PG student.

10.3 Minimum Credit Requirements

- **Major subject:** The subject (department) in which the students takes admission
- **Minor subject:** The subject closely related to students major subject.
- **Supporting subject:** The subject not related to the major subject. It could be any subject considered relevant for student's research work.
- **Common Compulsory Courses (Non-Credit):** Please see the relevant section for details. Five courses are of general nature and are compulsory for Master's programme. Ph.D. students may be exempted from these courses if already studied during Master's degree.

Courses	Master's programme	Doctoral programme
Major	20	12
Minor	08	06
Supporting	06	05
Seminar	01	02
Research	30	75
Common Compulsory	05	-
Total Credits	70	100