

RAJUVAS

Post-Graduate Academic Regulations 2023



। पशुधनं नित्यं सर्वलोकोपकारकम् ।

Rajasthan University of Veterinary and Animal Sciences

Bijay Bhawan Palace Complex, Near Deendayal Upadhyay Circle

Bikaner-334001 (Rajasthan) India

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DISCLAIMER

The rule and regulations contained in this booklet are believed to be correct at the time of publication. Besides these rules and regulations, other general rules regarding examination, admission etc. already in vogue in the university shall also be applicable. The Rajasthan University of Veterinary and Animal Sciences, Bikaner, however reserves the right to make amendments, additions, deletions to these without notice and the University will not be responsible for any hardship financial or otherwise encountered the students due to such changes.

Dean, PGS

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FOREWORD

It is a matter of immense pleasure that Rajasthan University of Veterinary and Animal Sciences (RAJUVAS), Bikaner has revised its PG Academic Regulations in view of the National Education Policy 2020 and also recommendations of National core group and BSMA committees of Indian Council of Agricultural Research for revision and restructuring of Master's and Doctorate degree programmes. During the past 13 years, University has grown in its stature and has become a multi-faculty university from single stream university. RAJUVAS PG Academic Regulation-2023 document encompasses details about admission, advisory system, attendance, examination system, dropping from programme during studies, accreditation of teachers, guide allotment etc. It also provides details of different rules, provisions and procedures as approved by the competent authorities of the university from time to time. The main objective of this document is to provide detailed information to PG and Ph.D students through a single document.

I appreciate the efforts made by Prof. R.K. Dhuria, Dean, Post-Graduate Studies, RAJUVAS, Bikaner and his team for meticulously bringing out this publication. I also appreciate active efforts of Prof. A.P. Singh, Ex Dean, Post-Graduate Studies and all faculty members for their valuable inputs and suggestions. I am confident that these PG Academic Regulations will be very useful for students, Dean PGS office and teachers in regulating day to day academic affairs of all PG students.


(Satish K. Garg)



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PREFACE

The Post-Graduate Academic Regulations-2023 describes legitimate guidelines to the students and their responsibilities to pursue the master's and doctoral course work and research work under the guidance of allotted advisory committee. This document outlines all the academic requirements that must be followed by the Post Graduate students. Utmost care has been taken in developing these Regulations using the previous version of PG Regulations as the base document and various amendments/additions of rules/orders/approvals available at the Office of Dean, Post Graduate Studies.

I take this opportunity to thank Prof. (Dr.) Satish K. Garg, Hon'ble Vice-Chancellor, RAJUVAS, Bikaner for the active cooperation, guidance and constructive suggestions for the betterment of RAJUVAS PG Academic Regulations-2023. I acknowledge the Dean and Faculty Chairman, Deans of constituent colleges and members of the academic council for approving these rules and regulations. I am also thankful to the faculty members who gave valuable suggestions in revising these regulations.

I wish and assure, on behalf of the University, that these regulations will help the Post Graduate students to pursue their educational aims and objectives.


(R. K. Dhuria)

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Rajasthan University of Veterinary and Animal Sciences, Bikaner
Post-Graduate Academic Regulations-2023

(Effective from the Academic Session 2022-2023)

**Approved by Academic Council in the 25th Meeting held on
24th July, 2023 vide Agenda No. 25/06**

1. Short Title and Commencement :

Post Graduate Academic Regulations-2023 of Rajasthan University of Veterinary and Animal Sciences, Bikaner for award of Master's and Doctoral degrees may be called "**PG Academic Regulations-2023** of Rajasthan University of Veterinary and Animal Sciences, Bikaner" and shall come into force from the date of their approval by the Academic Council of RAJUVAS and these will be applicable for the students admitted in academic session 2022-23 and onwards.

2. Definitions :

In these Post Graduate Academic Regulations, unless the context otherwise requires:

- 2.1 "The Post Graduate Academic Regulations" means the Academic Regulations of Rajasthan University of Veterinary and Animal Sciences, Bikaner for award of Master's and Doctoral degree course programmes in the University.
- 2.2 "Post Graduate Studies" means the Master's (M.V.Sc./M.Sc.) degree and Doctoral (Ph.D.) degree course programmes being run by the University.
- 2.3 "Academic Year" or "Academic Session" of the University shall ordinarily be between July to June and shall consist of two semesters.
- 2.4 "Semester" is an academic term of not less than 17 weeks of instructional days and one to two weeks of final semester examinations.
- 2.5 "University" means Rajasthan University of Veterinary and Animal Sciences, Bikaner.
- 2.6 "Teacher" means normally a University Teacher as defined in the Act of the University.
- 2.7 "College" means the constituent or affiliated college(s) of the University, where PG study programme has been approved by the University.
- 2.8 "Course" means a unit of instruction or a segment of a subject matter to be covered in a semester. Each course is assigned a specific number, title and credits.

- 2.9 “Syllabus” means the outline or subject topics for the courses of study as adopted by the Rajasthan University of Veterinary and Animal Sciences, Bikaner, Rajasthan.
- 2.10 “Credit” means the unit of work load per week for a particular course in theory and/ or practical. One credit of theory means one class of one clock hour duration and one credit practical means one class of a minimum two clock hours of laboratory work per week.
- 2.11 “Credit load” of a student refers to the total number of credits of all the courses he/she registers during a particular semester.
- 2.12 “Credit Hour” also written as “credit” in short form implies that each credit hour will represent one hour of theory lecture or a minimum of two hours of laboratory/field practicals/clinics each week spread over seventeen weeks in a semester.
- 2.13 “Credit Point” in a subject will be grade point multiplied by the credit hours.
- 2.14 Total Credit Points shall be the sum of the credit points secured.
- 2.15 “Grade Point” will be the total marks obtained in a subject out of 100 divided by 10. It is expressed on a 10-point scale up to third decimal place.
- 2.16 “Grade Point Average (GPA)” means the total credit points earned by any student divided by the total number of credits of all the courses registered in a semester.
- 2.17 “Overall Grade Point Average (OGPA)” means the total credit points earned by a student during the entire degree programme divided by the total number of credits (excluding non-credit common courses) required and registered for award of degree, and is expressed after rounding off to the third decimal place.
- 2.18 “Transcript” means a copy of the consolidated report of courses taken, and grades obtained by the student, and issued by the University after completion of all the credit requirements for Post Graduate degree programmes.
- 2.19 “Major Advisor” means a teacher of the major discipline proposed by the Head of Department through Dean of the College and duly approved by the Dean, Post Graduate Studies or as per the procedure laid down in the Academic Regulations of the University. Major advisor and Advisory Committee will guide the student in all academic issues during the degree programme.
- 2.20 “Co-Advisor” means additional member included in the Advisory Committee of the student as per requirement of his/her thesis research work. The Co-Advisor may be a faculty member/scientist of such partnering university/

Institute/Organization having Memorandum of Understanding (MOU) with RAJUVAS, Bikaner.

- 2.21 “Member” means an accredited teacher included in the Advisory Committee of the student.
- 2.22 “Dean PGS nominee” means an accredited teacher nominated by the Dean, Post Graduate Studies and included as a member in the Advisory committee of the student.
- 2.23 “Prescribed” means as prescribed by Academic Council of the University.
- 2.24 “External examiner” means an academician/researcher with published research work who is not part of the High Educational Institution where the Ph.D. scholar has registered or worked for his/her for Ph.D. degree.
- 2.25 “Plagiarism” means practice of taking someone else’s work or idea and passing them as one’s own.

3. Major Fields of Study :

Following shall be the major fields of study for award of Post Graduate Degrees (M.V.Sc. and Ph.D.) in University:

3.1 Faculty of Veterinary and Animal Sciences :

3.1.1 M.V.Sc. Degree Programmes :

Animal Genetics and Breeding
Animal Nutrition
Livestock Production and Management
Livestock Products Technology
Poultry Science
Veterinary Anatomy
Veterinary and Animal Husbandry Extension Education
Veterinary Biochemistry
Veterinary Biotechnology
Veterinary Gynaecology and Obstetrics
Veterinary Medicine
Veterinary Microbiology
Veterinary Parasitology
Veterinary Pathology
Veterinary Pharmacology and Toxicology
Veterinary Physiology
Veterinary Public Health and Epidemiology
Veterinary Surgery and Radiology

3.1.2 Ph.D. degree Programmes

Animal Genetics and Breeding
Animal Nutrition
Livestock Production and Management
Livestock Products Technology
Veterinary Anatomy
Veterinary and Animal Husbandry Extension Education
Veterinary Biochemistry
Veterinary Biotechnology
Veterinary Gynaecology and Obstetrics
Veterinary Medicine
Veterinary Microbiology
Veterinary Parasitology
Veterinary Pathology
Veterinary Pharmacology and Toxicology
Veterinary Physiology
Veterinary Public Health and Epidemiology
Veterinary Surgery and Radiology

3.1.3 Vice-Chancellor, on the recommendation of the concerned authorities/statutory bodies, may allow opening of new Post Graduate degree programmes as and when required.

4. General Rules for Admission to Different Academic Programmes:

- 4.1 Admissions to Post graduate (M.V.Sc./M.Sc. and Ph.D.) degree programmes will be made through Post Graduate Entrance examinations conducted by NTA/ICAR/VCI or based on any other criteria as decided by the University authorities. Number of seats available for admissions in different disciplines will be decided by the University authorities depending on the faculty strength and infrastructure facilities available in Departments.
- 4.2 For Master's degree programme, the candidate must be Rajasthan Domicile except the candidates nominated by ICAR/VCI and must possess Bachelor's degree in the concerned faculty or the degree equivalent thereto from any other recognized University or Institute with a minimum percentage of marks as prescribed along with other provisions. The admissions shall be made on the basis of merit in P.G. Entrance Examination conducted by NTA/ICAR/VCI or any criteria as approved by the University authorities. State Reservation Policy will be applicable on all the admissions for State quota seats.

- 4.3 For Ph.D. degree programme, the candidate must be Rajasthan Domicile except for the candidates nominated by ICAR/VCI and must possess Master's degree in the concerned subject or a degree equivalent thereto from any recognized University or Institute with minimum percentage of marks as prescribed and other provisions. The admissions shall be made on the basis of merit in P.G. Entrance Examination conducted by NTA/ICAR/VCI or any other criteria approved by University authorities. State Reservation Policy will be applicable on all state quota seats.
- 4.4 The seats for M.V.Sc. and Ph.D. degree programme shall be notified on the website through the information booklet.
- 4.5 One seat in each discipline in M.V.Sc./M.Sc. and Ph.D. degree programmes is reserved for the ICAR/VCI, New Delhi candidates based on the All India Joint Entrance Examination conducted by ICAR/VCI or its any designated body
- 4.6 There will be one (01) supernumerary seat in each discipline reserved for field functionaries working as Veterinary Officer/Senior Veterinary Officer/ any other permitted designation and issued NOC for pursuing higher studies by the Department of Animal Husbandry, Government of Rajasthan or any other employer at the time of admission.
- 4.7 One additional seat in each department is created as Supernumerary Seat in M.V.Sc. & Ph.D. degree programme for the candidates belonging to Other States with the condition that stipend/scholarship will be allowed to them subject to approval of State Govt.
- 4.8 Following categories are exempted from appearing in Pre PG Examination:
 - a) Candidates admitted through ICAR/Foreign nationals sponsored/nominated by ICAR/GOI.
 - b) Field functionaries deputed by their respective employers.
 - c) In-service candidates of RAJUVAS and/ or considered as "in service" on receipt of their applications through their employers will be required to fulfil the minimum academic qualifications.
- 4.9 International students will normally be considered for admission to PG degree programmes under the category of ICAR nominees will be on the seats reserved for ICAR, if no such ICAR seat is vacant, then even additional seats to be created by the university for such candidates.
- 4.10 Foreign sponsored/nominated through ICAR shall be required to pay bench fee as prescribed by ICAR or any other authority of Govt. of India. The

terms and conditions set by ICAR or any other authority of Govt. of India shall be applicable to such students.

- 4.11 Admission to any study programme in the University cannot be claimed by a candidate as a matter of right. In case, a person is refused admission by the Admission Board based on any specific reason despite his/her having secured such merit by which he/she stands higher than the last admitted candidate of his/her category, such candidate will be given a hearing by the Admission Board. The decision of the Vice Chancellor in this regard shall be final.

4.12 Time of Admission:

- (i) Admission to Master's and Ph.D. degree programmes shall be made only in the first semester of each academic year, unless otherwise specified by the University Authorities.
- (ii) No student shall be entitled to join more than one degree programme of study concurrently anywhere as a full time students.

- 4.13 **Reservation of Seats for Admission:** The reservation policy of Government of Rajasthan will be followed for admissions to Master's and Ph.D. programme(s), however, in the event of any seat falling vacant due to non-availability of applicants/candidates of a particular reservation category from the reservation quota or UR or that reserved for ICAR, then such vacant seats shall be filled up with the students belonging to any other categories as per the state reservation policy.

4.14 Denial and Cancellation of Admission:

- (i) The admission of an applicant suppressing any information or giving wrong information or facts or forging his/her signature or of his/her parents or attaching false certificates shall be cancelled at any stage before or after admission as well as during progression of the degree programme, which shall be in addition to any other punishment that may be awarded to him/her for concealment of facts.
- (ii) Following candidates shall not be given admission in any of the constituent colleges of the University, even if they are qualified in Pre-PG test:
 - (a) A candidate against whom any FIR has been lodged by the University or any of the constituent or affiliated private veterinary colleges or by any other competent authority/officer of the University.
 - (b) A candidate who has been punished by the university under Rules of Discipline.

5. Registration:

- 5.1 A student admitted to a programme shall have to register in the college in each semester within the stipulated time indicated in the notice of admission, failing which his/her admission will stand automatically cancelled.
- 5.2 Registration shall consist of the following steps:
 - (a) After getting the five registration cards signed from the concerned Instructor(s) and Head of Department, the students shall deposit the University fees and other dues.
 - (b) After depositing the fee, the student shall submit the duly completed and signed registration cards in the office of the Dean of their respective colleges and Dean of each college shall send one copy of registration card of each student to Dean, PGS for record.
 - (c) No registration will be allowed in absentia.
- 5.3 **Last Date of Registration :** A student, who does not register on the fixed date of registration, shall be required to pay the late registration fee @ Rs. 100/- per day for next **15 days including holidays**. Student failing to register within next **15 days** including holidays shall not be allowed registration in that particular semester and his/her admission will stand automatically cancelled.
- 5.4 Post Graduate students shall not be allowed to register **more than 18 credit hours** and **not less than 12 credit hours** in any semester. However, in the last semester of his/her degree programme, he/she may be permitted to register 30 credit hours to complete the internship programme of study in Master's degree in case of industry internship and industrial attachment. However, in case of master's degree with research work, no student will be allowed to register more than 18 credit hours in any semester. The credit load of the student will be regulated/monitored by the concerned Major Advisor/Head of the Department.
- 5.5 In-service candidates of the University registering for Ph.D. course programme shall be treated as part time student and shall not be allowed to register for **more than 12 credit hours** and **not less than 8 credit hours** of courses in a semester.
- 5.6 A student shall be permitted to add courses or withdraw courses within two weeks of the registration in a particular semester and in no way, the limit of maximum allowed credit hours in that semester should exceed.
- 5.7 Attendance in courses registered late shall, however, be counted from the date of commencement of semester and it will be the responsibility of the student to complete the minimum mandatory attendance requirement.

- 5.8 **Suspension of Registration:** Registration of any student may be suspended by the Vice-Chancellor on the recommendation of disciplinary committee of RAJUVAS. A student whose registration has been suspended will have to vacate the hostel and leave the campus if such a measure is deemed necessary by University authorities in the interest of academic discipline and peace on the campus.
- 5.9 **Cancellation of Registration:** The Vice-Chancellor may cancel the registration of any student or group/batch/classes of students who indulge in acts of indiscipline, misconduct, violation of rules and regulations of the University, strikes, or continued absence from class(es) without permission or without any valid reason or in cases where the Vice-Chancellor has reasons to believe based on report from HoDs and Dean PGS that their continuance in the institution would not be in the interest of University.
- 5.10 Every Post Graduate student admitted in Master's or Doctoral degree programme, unless granted a formal temporary withdrawal by the Dean PGS, shall be required to register for admission in each semester, unless otherwise specified, until completion of all the requirements for degree programme including **thesis seminar and submission of thesis**.
- 5.11 **Dropping and temporary withdrawal from the academic programme:**
- (a) **Master's Degree Programme:**
- 5.11.1 A student shall be permitted to temporarily withdraw from a programme for a specific period not exceeding **five semesters** (to encourage multiple entry and exit in accordance with NEP 2020) in one go or intermittently provided he/she makes a written request in this regard to the Dean PGS on the recommendation of Major Advisor, Head of the Department and Dean of the College.
- 5.11.2 The Vice-Chancellor may further grant an extension of one more semester to him/her on the grounds of some compelling situation which has to be specified while making such request submitted by the student seven days prior to the expiry of the withdrawal period and duly recommended by the Major Advisor, Head of Department, Dean of respective College and by Dean PGS.
- (b) **Doctoral Degree Programme:**
- 5.11.3 A student shall be permitted to temporarily withdraw from a programme for a specific period not exceeding **7 semesters** (to encourage multiple entry and exit in accordance with NEP 2020) in

one go or intermittently on written request in this regard to the Dean PGS on the recommendation of Major Advisor, Head of Department and Dean of the College.

- 5.11.4 The Vice-Chancellor may further grant an extension for one more semester to him/her on the grounds of some compelling situation which has to be specified and application to this effect has to be submitted by the student, seven days before the expiry of withdrawal period, and it should be duly recommended by the Head of Department and Dean of respective College and Dean PGS.

Note:

1. Withdrawal of course programme by any Master's or Ph.D. student will be permissible only on justified ground (s) after the completion of final examination of first semester.
2. If the student withdraws/drops a semester in which student is studying, that semester will also be considered as dropped, and all academic activity (including examinations in which he or she has appeared or passed) will be null and void.
3. Failure to register or to obtain formal permission to withdraw from university/college will constitute presumptive evidence that a student is not interested in continuing his/her studies and his/her admission shall stand cancelled. No student should leave the college/university without obtaining formal permission from the Dean PGS.
4. Student who is granted formal permission for temporary withdrawal may be exempted from all the fees during the period of his/her withdrawal. However, if he/she withdraws in the middle of a semester, the semester fee deposited will not be refunded. Those who do not obtain formal permission shall be charged full fees for the semesters missed before re-registration.

6. Advisory System:

6.1 Advisory Committee for Master's and Ph.D. Degree Programmes:

- 6.1.1 For every student, there shall be an Advisory Committee consisting of four members in case of Master's degree programme and five members in case of Ph.D. degree programme.
- 6.1.2 In Master's degree programme, two members (including one acting as Major Advisor and other acting as Member) will be from the concerned

discipline in which the student is pursuing his/her degree programme, one Member will be from the discipline of Minor courses and one Member will be as Dean PGS nominee who will be nominated by the Dean, Post Graduate Studies.

- 6.1.3 In Doctoral degree programme, two Members (including one acting as Major advisor and one acting as Member) will be from the discipline in which the student is pursuing his/her degree programme, one Member will be from the discipline of Minor courses and one from the supporting courses and one Member acting as Dean PGS nominee who will be nominated by the Dean, Post Graduate Studies.
- 6.1.4 Provided that, in case of unavailability/inability of one member from Major courses, the Dean, Post Graduate Studies may allow one member from allied subject.

6.2 Co-advisor in the Advisory Committee from other collaborating University/Institute/Organization:

- 6.2.1 As per requirement of the thesis research work of student, an additional member acting as the Co-advisor may be included in the Advisory Committee of the student. The Co-advisor has to be a faculty member/scientist of such partnering university/Institute/Organization having Memorandum of Understanding (MOU) with the RAJUVAS, Bikaner. The Major Advisor may send a proposal to this effect to the Dean, PGS for inclusion of the name of Co-advisor in the advisory committee of the student if the proposed research work warrants major inter-institutional collaboration/partnership/linkage in research and sharing of resources required for research.
- 6.2.2 Such inclusion of Co-advisor in the advisory committee will be by mutual consent, primarily on the basis of intellectual input and time devoted for carrying out the research work in a particular institution. The faculty member/scientist of the partnering institutions in the Student's Advisory Committee shall become temporary faculty member of the University for the purpose of thesis guiding after proper accreditation procedure in his/her field of specialization and approval of the Academic Council of the University.

6.3 Allotment of Major Advisor:

- 6.3.1 Allotment of Major Advisor will be based on eligibility and seniority, and on rotation basis. A roster register has to be maintained by Head of each department.

- 6.3.2 The Major Advisor, members and Dean PGS nominee member in the advisory committee of student will only be the duly accredited post-graduate faculty members both for Master's and Doctoral teaching and guiding research programme.
- 6.3.3 Major Advisor shall be assigned to each student admitted in P.G. programme (M.V.Sc./M.Sc. or Ph.D.) by the respective Departmental Heads based on the decision taken in Departmental committee. The proceedings/minutes of the committee for allotment of students will be sent to the Dean PGS along with the student allotment proposal.
- 6.3.4 An eligible and accredited Professor/Associate/Assistant Professor can guide up to eight/six/four scholars (Master's and Ph.D.), respectively at any time. Only in exceptional circumstances, the Dean P.G. Studies may extend this limit.
- 6.3.5 Each Major advisor can guide up to two international research scholars on a supernumerary basis over and above the permitted number of Ph.D. scholars as specified in clause 6.3.4 above.
- 6.4 Allotment of students to the retiring persons: Normally, retiring person may not be allotted any Master's degree student if any teacher is left with less than two years of service and Ph.D. student if any teacher is left with less than three years of service. However, in special circumstances, permission may be obtained by the concerned Head of the Department from Dean, PGS.
- 6.5 The Advisory Committee will function until the student completes his/her particular programme or is dropped from the roll of University or College.
- 6.6 The Dean, P.G. Studies can replace a member of the Advisory Committee during the programme, if the member including Major Advisor or Co-Advisor:
- (i) ceases to be a member of P.G. faculty
 - (ii) has gone out of country for more than three months during the course of the programme
 - (iii) has requested to be replaced
 - (iv) has been transferred from the campus or retired or otherwise left.
 - (v) has compromised health
 - (vi) any other valid reasons

Note: In case any member has been replaced temporarily on account of being on leave or is out of station, then the original member will continue to be member on his/her return.

- 6.7 The Dean, P.G. Studies may, however, in exceptional circumstances permit a member of the advisory committee to continue, if the thesis research work has been completed and the member is residing in the city where the student is on roll in the university and is frequently available for consultation.

7. Responsibilities of Advisory Committee:

- 7.1 The Advisory Committee shall prepare the programme of study of the student after giving due consideration to his/her academic background and aptitude. He/she may also be required to undertake common courses to overcome any deficiency in his/her academic standard. Successful completion of such courses would be compulsory for award of degree.
- 7.2 It shall also discuss the research problem of the student and guide him/her to prepare synopsis and recommend the same through Head, for approval by the Dean PGS after the student has delivered synopsis seminar.
- 7.3 It shall examine the student along with the external examiner for comprehensive examination in Ph.D. degree programme.
- 7.4 It shall approve the standard and quality of the Thesis before submission of Thesis to Dean PGS for external evaluation after the student has presented his/her research work during pre-thesis submission seminar.
- 7.5 It shall examine the student in a thesis viva-voce examination along with the external examiner.
- 7.6 No change in the programme of study once approved shall normally be permitted. However, under special circumstance, the Dean PGS, on the recommendation of the Advisory Committee, Head of the Department and the Dean of the concerned College for reasons to be specified, may permit change in the technical programme of proposed study.
- 7.7 The Major Advisor shall convene meetings of the Advisory Committee at least once in each semester to assess the progress of student. It should advise the student in such a manner as it deems fit and ensure that the student can complete his/her the work within the stipulated time. The summary record of the progress of student should be communicated by the Major Advisor to Head of the Department, Dean of the College of concerned and the Dean PGS for information.

8. Changes in the Advisory Committee:

- 8.1 Change of the Major advisor or any member of the Advisory Committee is not ordinarily permissible. However, in exceptional cases, the change may be allowed by the Dean PGS if any member of the Advisory committee including Major Advisor-
- (a) is on extra ordinary leave or
 - (b) on study leave or

- (c) leaves the University service or
- (d) has requested to be replaced or
- (e) is prevented to act as Major advisor/Advisor due to long illness or due to any other reason or
- (f) has gone out of the country for more than 3 months during the course of programme, then he/she will cease to continue as Major Advisor of the Post-graduate students of the University.

8.2 However, Dean PGS may permit them to continue to serve as Major Advisor subject to the following conditions:

- (a) There is no other eligible teacher in the Department to be the Major Advisor.
- (b) The concerned staff member is residing in India and if he/ she agree to guide research and as available for frequent consultations as per need of the student.
- (c) A Ph.D. student has completed his/her comprehensive examination and the research work has been almost completed and the student is expected to submit the Thesis within a period of six months.
- (d) The staff member, after leaving the University service may be granted the status of honorary faculty member by the Vice Chancellor on the recommendation of Dean PGS for guiding as Major Advisor or the member in the Advisory Committee of the student.
- (e) In case the Major Advisor/the member of Student's Advisory Committee retires, he/she shall be allowed to continue provided that the student has completed his/her course work and minimum of 70% of the research credits hours and the retiring Major Advisor/member of the advisory committee resides at the Headquarters of the College and is frequently available for guiding the student till the Thesis is submitted.
- (f) If the Major Advisor/member of the advisory committee proceeds on deputation to another organization which has MOU with RAJUVAS, he/she may be permitted to guide the student provided his/her new organization is at the Headquarters of the College and his/her organization allows him/her for the same.

9. Accreditation of Teachers for P.G. Teaching and Thesis Guiding:

- 9.1 Each teacher shall seek accreditation for teaching postgraduate courses and for guiding thesis of post graduate students through their respective Heads and Dean from Dean, Post Graduate Studies, who shall grant provisional accreditation until approval of the Academic Council.

9.2 Accreditation of faculty of RAJUVAS:

Following shall be the norms for accreditation of teachers:

- 9.2.1 For teaching master's degree courses, a teacher shall possess either Ph.D. degree or Master's degree in the concerned subject of the faculty.
- 9.2.2 A teacher having Ph.D. degree shall qualify for teaching Master's student after acquiring two years of teaching/research experience.
- 9.2.3 A teacher having Ph.D. degree shall qualify for teaching Ph.D. students after acquiring experience of three years of M.V.Sc. teaching.
- 9.2.4 The teachers (Assistant Professors or equivalent) having M.V.Sc. degree will be eligible for M.V.Sc. teaching after acquiring minimum four years of teaching experience.
- 9.2.5 For guiding of M.V.Sc Thesis, a teacher having Ph.D. degree shall qualify after acquiring three years of teaching or research experience and in addition should have published at least five research papers in journals of repute (NAAS rating ≥ 5.0) in the concerned discipline.
- 9.2.6 The teachers (Assistant Professors or equivalent) having M.V.Sc. degree will be eligible for M.V.Sc. guiding after acquiring six years of teaching or research experience along with five research papers in Journal of repute (NAAS rating ≥ 5.0) in the concerned discipline.
- 9.2.7 A faculty member having Ph.D. degree shall be considered for accreditation to act as Major advisor at Ph.D. level provided, he/she has guided research at Master's level and successfully guided at least three Master's degree students or published 5 research papers in journals of repute (NAAS rating ≥ 5.0) in the concerned discipline.
- 9.2.8 A teacher shall only qualify for accreditation to teach the subject and guide the thesis as Major advisor for M.V.Sc. and Ph.D. degree in which he/she has obtained M.V.Sc. and Ph.D. degrees or in allied subjects or is working in a particular Department as teacher for more than two years and is involved in teaching in that Department: In such case, on the recommendation of HOD and Dean of the concerned College, Dean PGS may allow accreditation of the teachers in related or allied subjects also. In exceptional circumstances, if there are no eligible faculty members in the concerned subjects, than Dean PGS may allow accreditation of teachers of other but related subjects as well. However, interested teachers have to submit application for such accreditation.

9.3 Accreditation of the faculty members or scientists of partner University/ Institute/Organization having memorandum of understanding (MOU) with RAJUVAS, Bikaner:

Accreditation of the teachers or scientists as Co-advisor in case of other Institutes/university will be done as per rules. A faculty member/scientist of the partner University/Institute/ Organization having memorandum of understanding (MOU) with RAJUVAS, Bikaner, with corresponding equivalent designations like scientist equivalent to Assistant Professor, Senior Scientist equivalent to Associate Professor and the Principal Scientist equivalent to Professor may be accredited as per rule to act as the Co-advisor in the advisory committee of a student for purpose of guiding the research of student.

9.4 Accreditation of Co-advisor in case of Master's internship programme at any plant/Industry/Organization etc., having memorandum of understanding with RAJUVAS, Bikaner will also be done. Guidelines for this will be framed in due course of time.

9.5 Suspension of accreditation of teachers:

9.5.1 On the recommendation of the concerned Head of the Department and Dean of the concerned College, accreditation of any teacher as Major advisor for M.V.Sc./Ph.D. can be suspended by the Dean PGS after approval by the Vice-Chancellor due to :

- (i) Rejection of the thesis of two or more students by the external examiner.
- (ii) Detection of scientific misconduct in the form of submission of forged/manipulated data/photographs or other material in a thesis or a scientific journal that is likely to bring bad name to the College/ University.

9.5.2 Accreditation of a suspended teacher may be revoked by Dean, PGS on approval of the Vice-Chancellor based on written assurance by the teacher not to repeat the causes of suspension and on due recommendation by the Head of the Department and the Dean of the concerned college after a period of three years.

10. Course Programme:

10.1 The credit load of the student in Masters' and Doctoral programme will be regulated/monitored by the concerned Major Advisor/Head of the Department.

- 10.2 A Masters' degree student shall be required to complete 70 credit hours as prescribed by the ICAR in 2021. The breakup of credit hours is as follows:

| Particulars | Master's Programme |
|--|---------------------------|
| (i) Course Work | Credit Hours |
| Major courses | 20 |
| Minor courses | 08 |
| Supporting courses | 06 |
| Common courses | 05 |
| Seminar | 01 |
| (ii) Thesis Research/Internship | 30 |
| Total Credit Hours | 70 |

The maximum credit load allowed per semester will be 18 credits in each semester in case the degree is with research work and thesis submission.

Students opting for M.V.Sc./M.Sc. degree with internship and industrial attachment will be permitted to register all 30 credit hours (20 for internship/in-plant training and 10 for writing the report) in their 4th semester, followed by viva-voce similar to Thesis/dissertation. The internship/in-plant training/industrial training would be held at relevant industry/area.

A student who opts for internship will follow the following protocol for completion of internship training:

- (i) The student through his/her Major advisor and Head of department will apply for permission to undergo Internship during second semester of his/her study.
- (ii) During fourth semester of study, the candidate will undergo actual training/internship at industry.
- (iii) The candidate will submit a report in form of a dissertation which will be evaluated just like research thesis.
- (iv) The following criteria for Internship for Development of Entrepreneurship in Agriculture (IDEA) will be taken into consideration:
 - a. Advisory committee will propose the training which will be approved by Dean PGS on recommendations of the concerned Head of Department.

- b. Major advisor will be from University and Co-advisor (or Advisory Committee member) will be from the industry to which the student will pursue internship training.
- c. Work place will be industry; however, academic/research support will be provided by the University or both.
- d. MoU may be developed accordingly.
- e. The IPR, if any, will be as per the University policy.
- f. There will be no requirement of submission of research papers by the student who have undergone Internship.

10.3 A Ph.D. student shall be required to complete 100 credit hours as prescribed by the ICAR in 2021. The breakup of credit hours is as follows:

| Particulars | Doctoral Programme |
|-----------------------------|---------------------|
| (i) Course work | Credit Hours |
| Major courses | 12 |
| Minor courses | 06 |
| Supporting courses | 05 |
| Common courses | — |
| Seminar | 02 |
| (ii) Thesis Research | 75 |
| Total Credit Hours | 100 |

The maximum credits load per semester will be 18 credits only.

Major Courses: From the discipline in which any student takes admission. From among the listed courses, the core courses have to be compulsorily taken by the students.

Minor Courses: From the subjects closely related to student's major subject. The minor subject and courses to be taken by the student will be decided by the Major Advisor and Advisory Committee.

Supporting Courses: The subjects not related to the major subject. It could be any subject considered relevant for student's research work (such as Statistical Methods, Design of Experiments, etc.) or necessary for building his/ her overall competence.

Common Courses: The following courses (one credit each) will be offered to all students undergoing Master's degree programme: (The student will be graded as satisfactory or non-satisfactory in these courses)

| S. No | Course Title | Credit Hours |
|--------------|---|---------------------|
| 1. | Library and Information Services | 0+1 |
| 2. | Technical Writing and Communications Skills | 0+1 |
| 3. | Intellectual Property and its management in Agriculture | 1+0 |
| 4. | Basic Concepts in Laboratory Techniques | 0+1 |
| 5. | Agricultural Research, Research Ethics and Rural Development Programmes | 1+0 |

Some of these courses are already in the form of e-courses/ MOOCs. The students may be allowed to register these courses/similar courses on these aspects, if available online on SWAYAM or any other platform. If a student has already completed any of these courses during UG, he/she may be permitted to register for other related courses with the prior approval of the Head of Department (HoD)/Board of Studies (BoS).

Supporting Courses: Based on the requirement, any of the following indicative courses may be opted under the supporting courses (The list given below is indicative only).

| Code | Course Title | Credit Hours |
|-------------|--|---------------------|
| STAT 501 | Mathematics for Applied Sciences | 2+0 |
| STAT 502 | Statistical Methods for Applied Sciences | 3+1 |
| STAT 511 | Experimental Designs | 2+1 |
| STAT 512 | Basic Sampling Techniques | 2+1 |
| STAT 521 | Applied Regression Analysis | 2+1 |
| STAT 522 | Data Analysis Using Statistical Packages | 2+1 |
| MCA 501 | Computers Fundamentals and Programming | 2+1 |
| MCA 502 | Computer Organization and Architecture | 2+0 |
| MCA 511 | Introduction to Communication Technologies, Computer Networking and Internet | 1+1 |
| MCA 512 | Information Technology in Agriculture | 1+1 |
| BIOCHEM 501 | Basic Biochemistry | 3+1 |
| BIOCHEM 505 | Techniques in Biochemistry | 2+2 |

Apart from the above mentioned courses, courses from other allied subjects may also be taken as supportive courses to complete the essential requirements of credit hours of supportive courses (Annexure XXVI).

Mandatory Requirement of Seminars: It will be mandatory to deliver seminars- one in Masters (One Credit) and two in Doctoral programme (two Credits) by making presentations on the latest developments and literature in the area of research topic. Each credit seminar will be of 100 marks. Seminars will be evaluated by the advisory committee. The Seminars should be delivered before the comprehensive examination.

11. Learning Through Online Courses:

- (i) In line with the suggestion in new education policy and the initiatives taken by ICAR and MHRD in the form of e-courses, MOOCs, SWAYAM, etc. and also changes taking place globally in respect of learning through online resources the student can be permitted to enrol for online courses.
- (ii) Board of Studies (BoS) of the University shall identify available online courses and a student may select from the listed courses.
- (iii) A Post Graduate student may take up to a maximum of 20% credits in a semester through online learning resources.
- (iv) The host institute offering the course does the evaluation and provide marks/ grades. The BoS shall develop the conversion formula for calculation of GPA and it may do appropriate checks on delivery methods and do additional evaluations, if needed. The conversion formula will be applicable as per prevailing University rules.

12. Attendance:

- 12.1 A student shall be permitted to appear in the final semester examinations after a minimum attendance of 75% separately in theory and practical in each course from the date of registration in that course.
- 12.2 En masse absence of students from classes shall be treated as absent in attendance record of the student.
- 12.3 If a student absents continuously for seven working days in a semester, his/her registration in the semester will be cancelled and his/her parents will be informed accordingly. Such students will be provided an option, for re-admission in the course/programme within seven days of the cancellation of their registration by paying a fee as per existing fee rules. If a student fails to avail this option he/she may seek re-admission within two weeks of the cancellation by paying a fee as per existing fee rules. However, fulfilment of attendance requirement will be his/her own responsibility.
- 12.4 In case a student fails to re-admission within the permissible duration of two weeks, his/her admission shall stand automatically cancelled.
- 12.5 If a student fails to attend the classes continuously for a period of 15 days in semester without permission of the Dean of the college, his/her

name will be removed from the college rolls and he/she may have to seek re-admission next time as a fresh candidate. No petition is permitted in this case.

- 12.6 Attendance to the extent of number of lectures/practical's missed in a course with a maximum of 8 days of absence in a semester shall be credited on production of certificate by the student deputed to represent college and university in co/extra-curricular activities at state/national level.
- 12.7 The attendance of the students registered for research credits would be maintained by his major adviser/co-adviser and will be submitted every month.
- 12.8 M.V.Sc/Ph.D. scholar will be allowed to attend Training/Conference/Seminar/Symposium of National level in concerned subject only.
- 12.9 Maximum 10 days of absence including travel period in a semester shall be allowed on production of certificate by the student deputed to represent college and university in training/conference/seminar of National level.

13. Examinations:

- 13.1 For M.V.Sc./M.Sc./Ph.D. degree course programmes, written examinations designated as Mid-term, and Final semester will be conducted.
- 13.2 Mid-term examination is mandatory and will consist of 20 marks. The marks obtained in the test shall be considered to compute the final grade at the end of the semester. The final semester examination will be of 80 marks.
- 13.3 The distribution of 80 marks for in the final semester examination shall be:

| | |
|---------------|----------|
| (a) Theory | 50 marks |
| (b) Practical | 30 marks |

Where the practical component in a course has not been prescribed, the final theory examination shall consist of 80 marks. Similarly, if the course consists of only practical component, the final practical examination shall consist of 80 marks.

- 13.4 Courses with theory as well as practical components and courses with theory only shall be considered for written mid-term and semester examinations. The mid-term exam shall be held after completion of one-half of the scheduled lectures/practical's in a semester prescribed course. Mid-term examinations/practical's shall be of two hours and conducted by the concerned teachers in the department on the scheduled dates.
- 13.5 There shall be a final semester examination at the end of each semester consisting of written theory examination of 3 hours' duration and practical examination of 3 hours duration or more. The evaluation of answer book shall be done internally by the concerned teachers.

13.6 General Rules for Examination:

- 13.6.1 No tests/examinations shall be postponed on the grounds of failure of electric supply.
- 13.6.2 No special test/examination shall be held for any student who misses any exam on grounds like being in police custody or attendance in a court or any other reason including sickness.
- 13.6.3 Rules for cases of unfair means and indiscipline in the test/examination shall apply as such.
- 13.6.4 The decision to re-conduct any examination of account of walk out or boycott by students shall vest with the Vice-Chancellor based on the recommendation of HoD, Dean of the College and Dean PGS with proper justification, if any.

14. Comprehensive Examination for Master's Degree:

As per ICAR-BSMA Committee recommendation, comprehensive examination is redundant for M.V.Sc./M.Sc. students.

15. Comprehensive Examination for Ph.D. Degree:

For Ph.D., the comprehensive examination (pre-qualifying examination) is required. As the students are already tested in course examinations, the comprehensive examination should be based on oral examination by an external expert and the evaluation should cover both the research problem and theoretical back ground to execute the project. This shall assess the aptitude of the student and suitability of the student for the given research topic. The successful completion of comprehensive examination is to obtain the "Satisfactory" remark by the external expert.

- 15.1 A Ph.D. student has to appear in oral comprehensive examination, whenever schedule but only after successful completion of at least 75 per cent of course work prescribed separately in major and minor subjects including seminars.
- 15.2 A student shall appear in oral comprehensive examination (100 marks) if eligible, whenever scheduled to be conducted by the student's Advisory Committee and an external examiner and attain a satisfactory performance. Obtaining a minimum of 60% marks in oral examinations is must to qualify.
- 15.3 If student's performance in oral comprehensive examination is unsatisfactory, he/she shall be required to reappear in oral examination

whenever scheduled next but not earlier than one month of the previous examination. If he/she fails again, he/she shall not be allowed to continue and qualify for Ph.D. degree.

- 15.4 A student who has passed comprehensive examination and all semester examinations, and has achieved satisfactory grades in each course (including non- credit/deficiency courses) shall be permitted to submit Thesis.
- 15.5 For appointment of external examiner, HoD of department has to send panel of ten experts in consultation of Major advisor through Dean of the college to Dean, PGS.

16. Award of Grades:

- 16.1 Following abbreviations shall be used to denote the performance of a student in a course

| | | |
|-----------|---|-----------------------|
| DE | - | Detained |
| F | - | Fail |
| CC | - | Common courses |
| R | - | Repeated |
| S | - | Satisfactory |
| UM | - | Unfair means |
| US | - | Unsatisfactory |
| W | - | Withdrawn |

- 16.2 Grade DE shall be awarded to a student in a course in which he/she is detained from appearing in the final semester examination on account of shortage of attendance. Grade “DE” will be equivalent to point “0” (zero) in 10 point scale for calculation of “OGPA”.
- 16.3 Grade “W” shall be awarded to a student in a course from which he/she drops/ withdraws within the stipulated time, *i.e.*, two weeks from the commencement of semester. Credit hours for this course will not be included for computing GPA and OGPA.
- 16.4 Grade “UM” shall be awarded to a student who has used unfair means in any mid-term or final semester examination, and that shall be treated as “0” (zero) in 10-point scale.
- 16.5 A student shall be awarded F in examination in which he/she fails to appear in examination either for any reasons whatsoever or obtains less than 6.0 points in 10-point scale.

17. Declaration of Result:

17.1 The Dean of the college will declare the semester result before the commencement of the next semester.

17.2 The final division will be based on CGPA/OGPA as under:

| Division | CGPA/OGPA |
|---------------------------------|------------------|
| Second division | 6.50-7.499 |
| First division | 7.50-8.499 |
| First division with distinction | 8.50 and above |

18. Academic and Scholastic Probation:

18.1 A student shall be required to secure at least 6.0 points in a course for its successful completion.

18.2 A student shall be required to attain a minimum OGPA of 6.50 without F/DE/UM/ in any course to be on good academic standing.

18.3 A student awarded grade “F” in a course shall repeat the course to pass it, the grade of repeat course shall replace the earlier one with “R” associated with it.

18.4 A student with grade “F” or “DE” in courses shall be permitted to repeat the course as a regular student in the next semester or when the course is offered before taking up new courses without affecting the normal schedule of the courses offered in that semester. In case of clash, he/she shall drop the new courses.

18.5 A student shall be permitted to repeat courses with 6.0 points and above but below 6.5 points only once to enable him to achieve the minimum OGPA of 6.50, whenever next offered. The grade of repeated course shall replace the original one with “R” associated with it.

18.6 A student with an OGPA of less than 6.00 at the end of any semester shall be removed from the college and no petition shall be entertained.

18.7 A student with an OGPA of less than 6.50 or grades “F”, “DE” “UM” in any course at the end of a semester shall be placed on scholastic probation in the subsequent semester and or be may even dropped from the college which is at the discretion of the Dean of the College.

18.8 A student after being on scholastic probation and dropped from the college, shall be permitted to apply for a mercy petition to the Vice-Chancellor through Dean of the College within five days. A committee constituted by the Vice-Chancellor after considering all aspects of the

case shall either recommend the continuation of the student on scholastic probation for one more semester or reject the mercy petition. The committee may review its decision on detection of a patent error or facts.

- 18.9 A student recommended to continue for one more semester on scholastic probation shall be registered without late fee within seven days of the order and with a fine as prescribed by the College/University.
- 18.10 No scholarship/stipend/fellowship will be paid if the student is on conduct probation or on scholastic probation.
- 18.11 The student receiving scholarship/fellowship/stipend from any other agency will not be eligible for university scholarship.
- 18.12 It is mandatory that on non-completion/unfinished of Master's and Doctoral degree programme, the whole amount of stipend received by the student has to be refunded/paid back by the student to the University.

19. Award of Degree:

- 19.1 A student admitted to a Post Graduate programme shall have to successfully complete the following before award of degree:
 - (a) Minimum residential requirement.
 - (b) Course programme of study prepared by his/her Advisory Committee and approved by Dean PGS (Appendix III).
 - (c) Successful completion of all the course work programme including prescribed credit seminars.
 - (d) A Master's and Doctoral student shall be required to secure a minimum grade of 6.0 points for passing any course and a minimum OGPA of 6.50 to continue and to obtain degree in a 10-point scale.
 - (e) Successful completion of oral comprehensive examinations in case of Ph.D.
 - (f) Submission of the synopsis of proposed research work, and its approval by the Dean PGS.
 - (g) Completion of the research work as per proposed plan of work as mentioned in the approved synopsis.
 - (h) Successful delivering of Thesis seminar after completion of the research work as per approved plan of work.
 - (i) Submission of Thesis and its evaluation.
 - (j) Thesis viva-voce examination
 - (k) Submission of hard bound copies

19.2 Residential Requirements:

The minimum and maximum duration of residential requirement for Master's and Ph.D. Degree Programmes shall be as follows:

| P.G. Degree Programmes | Duration of Residential Requirement | |
|---------------------------------|-------------------------------------|------------------------------------|
| | Minimum | Maximum |
| Master's Degree (M.V.Sc./M.Sc.) | 2 Academic Years (4 Semesters) | 5 Academic Years (10 Semesters) |
| Ph.D. | 3 Academic Years (6 Semesters) | 6 Academic Years (12 Semesters) |

Note: Student may be allowed to discontinue temporarily from the degree programme only after completion of the first semester of his/her course programme keeping in view the multiple entry and exit provision envisaged in the New Education Policy- 2020 and UGC Regulation 2023.

19.3 Duration of Ph.D. Degree Programme:

19.3.1 As per UGC Regulation 2023, Ph.D. Programme shall be for a minimum duration of three (3) years, including course work, and a maximum duration of six (6) years from the date of admission to the Ph.D. programme.

19.3.2 A maximum of an additional two (2) years can be given through a process of re-registration as per the Statute/Ordinance of the Higher Educational Institution concerned; provided, however, that the total period for completion of a Ph.D. programme should not exceed eight (8) years from the date of admission in the Ph.D. programme.

Provided further that, female Ph.D. scholars and Persons with Disabilities (having more than 40% disability) may be allowed an additional relaxation of two (2) years; however, the total period for completion of a Ph.D. programme in such cases should not exceed ten (10) years from the date of admission in the Ph.D. programme.

19.3.3 Female Ph.D. Scholars may be provided Maternity Leave/Child Care Leave for up to 240 days in the entire duration of the Ph.D. programme.

19.3.4 The residential requirement for part time in-service students of RAJUVAS shall be minimum 6 semesters for Master's and 9 semesters for Ph.D. Programme.

- 19.3.5 Residential requirement shall be treated as satisfactory, even if any M.V.Sc. or Ph.D. student submits his/her thesis any time during the 4th and 6th semester, respectively but only after completion of minimum attendance requirement of 75% during the semester.
- 19.3.6 In case a student fails to complete the degree programme within the permissible maximum duration, his/ her admission shall stand cancelled.

20. Synopsis of Proposed Research Work:

- 20.1 The student shall preferably select, as far as possible, a research topic for his/her Thesis, which has relevance to the need of the state of Rajasthan or India.
- 20.2 The objective of the master's degree research should be to train the student in research methodologies and to develop his/her potential in conducting research, whereas the Ph.D. degree research should be indicative of the student's capacity for independent constructive thinking and interpretation. The research work to be carried out for Ph.D. degree should have definite contribution for advancement in the area and of a quality meriting publication in national and international journals of repute.
- 20.3 All M.V.Sc./M.Sc./Ph.D. students shall prepare their synopsis of proposed research work under the guidance of their Major Advisors and the supervision of the Advisory Committees. Student shall submit the Synopsis on the prescribed format after giving a seminar before the advisory committee during the first two months of the start of 3rd semester in case of M.V.Sc./M.Sc. degree and during the second month of 2nd semester for Ph.D. degree programme as per the exact dates notified by the Dean PGS. The synopsis would include in addition to the objectives, technical work plan, the justification for taking up the Research topic and a survey of existing literature on the subject and references.
- 20.4 The synopsis shall be examined and recommended by the concerned Major Advisor before final approval by the Dean, Post Graduate Studies (after making changes, if required). Proposed synopsis of all Ph.D. students shall be referred to an outside expert of the rank of Professor/Associate Professor or Principal Scientist/Sr. Scientist for evaluation and suggestions for improvement in technical programme. The synopsis of master's degree research work shall be recommended by the Head of Department of the rank of Associate Professor and above.

- 20.5 Once the synopsis has been approved, major changes in the title and/or in the detailed technical programme shall not be allowed without prior permission of the Dean, Post Graduate Studies.
- 20.6 A student shall not start his/her research work prior to final approval of the synopsis by the Dean PGS.
- 20.7 The research work shall normally be carried out only at the campus of student's registration. However, if the Departmental Committee on the advice of Major Advisor recommends conduct of research work at any other approved research station of RAJUVAS or elsewhere, the student shall be permitted to work there.

21. Collaborative Programme:

- 21.1 After completion of course work, a student may be permitted to complete his/her course requirement or research work in part or full at any ICAR or other institutions having similar programmes provided a MOU be signed between RAJUVAS and these institutions on reciprocal basis after approval by the Academic Council on the recommendation of the Dean PGS. The period spent by the student at these institutions shall be counted towards his/her residential requirement.
- 21.2 A candidate may be sent to any research station of the University or institute of repute where research facilities and staff are available for conducting research work if in the opinion of the Departmental Committee the field of candidate's specialization is available away from the main campus. The Co-Advisor shall be opted from at that place where the candidate carries out research investigation.
- 21.3 Ph.D. candidates from other Universities may be permitted to carry out their research work in RAJUVAS after completion of their all the requirements including oral comprehensive examination under an approved and qualified co-advisor on reciprocal basis.

22. In House Evaluation of Research Work:

- 22.1 In Ph.D. programme, progress of research work should be assessed by advisory committee at least once in a semester. The Student Advisory Committee shall review the progress of research and scrutinize annual progress report submitted by the student.
- 22.2 Midterm evaluation of Ph.D. research work (to move from JRF to SRF) will be mandatory requirement especially for the students receiving fellowships from different funding agencies. Hence, the second review of annual progress report need to be done after completion of two years. The successful completion enables the students to become eligible for SRF.

23. Optional Internship During Master's Programme in Lieu of Master's Research Work for the Purpose of Developing of Entrepreneurship in the Field of Veterinary and Animal Sciences including Biotechnology:

23.1 The main objectives of the programme

- (i) To promote linkages between academia and industry
- (ii) To establish newer University – Cooperative R & D together with industry for knowledge creation, research and commercialization
- (i) Collaboration between University and industries through pilot projects
- (ii) To develop methods for knowledge transfer, innovation and networking potential
- (iii) To enhance professional skills, career development and employability opportunities

23.2 Following criteria for Internship will be taken into consideration:

- (i) At any point of time there will not be more than 50% of admitted students in a particular year who can opt for optional Internship during master's programme in lieu of master's research work.
- (ii) Major Advisor will be from University.
- (iii) Total credits (30) for internship will include 20 for internship/ in-plant training and 10 for writing the report followed by viva-voce similar to thesis as per university rules.
- (iv) Work place for internship will be industry; however, academic/ research support would be provided by the University or both. MoU may be developed accordingly
- (v) The IPR, if any, would be as per the mutual agreement between University and Industry.

24. Thesis Submission:

24.1 For prevention of plagiarism in thesis, an institutional mechanism will be in place to check the plagiarism. The students must be made aware that manipulation of the data/plagiarism is punishable offence with serious consequences.

- The Higher Educational Institute concerned shall have a mechanism using well developed software applications to detect Plagiarism in research work and the research integrity shall be an integral part of all the research activities leading to the award of M.V.Sc or Ph.D. degrees.
- All master's and Ph.D. scholars shall submit their thesis for evaluation, along with (a) an undertaking that there is no plagiarism

and (b) a certificate from the advisor attesting to the originality of the thesis and that the thesis has not been submitted for the award of any other degree/diploma to any other Higher Educational Institution.

- 24.2 The student's Advisory Committee shall approve the quantum and quality of research work as per the approved synopsis in the seminar to be given by the student before he/she starts writing the Thesis.
- 24.3 A student shall submit one copy of the paper bound Thesis for Master's degree and two copies of paper bound Thesis for Ph.D. degree along with copy of synopsis, and required certificates to Dean PGS through Major Advisor, Head of Department and Dean of the College. He/She should also submit the Thesis of Master's/Ph.D. programme in the form of soft copy in CD/pen drive/other appropriate electronic methods available.
- 24.3.1 All the Ph.D. students shall write and submit two quality research publications for peer reviewed journals having NAAS rating not below 6. Ph.D student shall produce the evidence of two submitted research paper to a referred journal at the time of final submission of their thesis to Dean PGS, failing which Thesis will not be accepted. M.V.Sc. students shall produce evidence of one submitted research paper in peer reviewed journal not below the NAAS rating 6 at the time of final submission of their thesis to Dean PGS, failing which Thesis will not be accepted.
- 24.3.2 Ph.D students should publish their research papers in best possible NAAS rated journals and the provisions of research paper from thesis be in agreement with UGC guidelines.
- 24.3.3 For research papers published out of thesis research work, student shall be the first author, Major advisor as second author and Co-advisor as third author. The papers published should have the name of Department/college/University along with the name of sister institute if the work has been carried out there.
- 24.4 The last day for submission of Thesis in a semester shall be the last working day i.e. a day prior to start of the next semester. The earliest a student can submit his/her thesis on 75% completion of attendance in the last semester.
- 24.5 Student shall submit his/her Master's thesis only after 6 months of submission of synopsis and 18 months in case of doctoral degree along with fulfilling all the residential requirements. Time gap between synopsis submission and thesis submission should be minimum six months for Master's students and 18 months for Ph.D. students.

- 24.6 The student shall write his/her Thesis in English with an Abstract in English and Hindi.
- 24.7 A student who has successfully completed all the requirements (including Thesis seminar) except submission of Thesis may be permitted to withdraw from College to resume duties or to accept an employment by the Dean, P.G. Studies. He/ she shall, however, have to submit the Thesis within maximum time period allowed for completion of degree.
- 24.8 A student for master's/doctoral degree may submit his/her Thesis within the maximum permissible period after completion of all the requirements (including thesis seminar) by paying prescribed fees without registering in the semester subject to permission by Dean PGS on the recommendation of Major Advisor and Dean of the respective college.
- 24.9 The student shall submit his/her Thesis along with all required attachments having certificate of Ethical committee (if required) and report of Plagiarism accessed by university system.
- 24.10 Once the thesis is submitted by the student in loose or hard bound form it should be sent to Dean, PGS by the concerned Deans within three days time period.

25. Appointment of External Examiners:

- 25.1 A comprehensive list of external examiners, not below the rank of Associate Professor in any case shall be prepared by the Major Advisor and Head of the Department and submitted to the Dean Post Graduate Studies for Ph.D. students' oral comprehensive examination. The Major advisor through Head of the Department will be required to send a panel of ten examiners for Ph.D. in prescribed format (Appendix-XVIII) for oral comprehensive examinations.
- 25.2 The Vice-Chancellor shall appoint the examiners for oral comprehensive examinations or for Thesis evaluation out of this list or even beyond this list and either on the recommendation of the Dean, Post graduate Studies or at his/her own level if deemed necessary.

26. Evaluation of Master's Thesis:

- 26.1 The Major advisor through Head of the Department will be required to send a panel of ten examiners, not below the rank of Associate Professor or Senior Scientist, for Thesis evaluation through the Dean of College to Dean, PGS. An external examiner appointed by the Vice-Chancellor shall evaluate the Thesis and submit the detailed report along with his/her recommendations to Dean PGS on the prescribed format.

- 26.2 After receipt of satisfactory report on the Thesis and recommendation of the external examiner, the student shall be examined by an external examiner (online) and his/her Advisory Committee for Thesis viva-voce.
- 26.3 The student, whose performance in the viva-voce examination is not found satisfactory, he/she shall be required to re-appear in it after a gap of one to three months of the first viva-voce examination.
- 26.4 If the external examiner has recommended revision of Thesis, the student shall revise it under the supervision of Advisory Committee and may resubmit it within six months for re-evaluation by the same external examiner.
- 26.5 If the external examiner rejects the Thesis again, than it shall be sent to another examiner for re-evaluation. If he/she also rejects it, the student shall be declared fail in the degree. A student declared fail for the degree may file mercy petition to the Vice-Chancellor through Dean, P.G. Studies. The Vice-Chancellor after examining the whole case may permit him/her to re-register for Thesis only under the same Major Advisor or another one as proposed by Head of Department and approved by the Dean, P.G. Studies.
- 26.6 The student shall submit the hard bound copies of the thesis along with the correction certificate to Dean, P.G. Studies through Major Advisor, Head of Department and Dean of the College after successful viva-voce examinations and incorporation of all the suggestions and corrections suggested by the external examiner and the Advisory Committee. The date of submission of hard bound Thesis will be the date of award of degree. The Thesis shall be accompanied with the report of viva-voce and certificate of Major advisor regarding incorporation of suggestions.

Note: - If the Major advisor or any member of the Advisory committee has been transferred or left the University and denies in writing to be available to conduct the viva-voce examination, a substitute shall be appointed by the Dean, PGS for the viva-voce committee on the recommendation of the Head of Department.

27. Evaluation of Doctoral Thesis:

- 27.1 The Major advisor through Head of the Department will be required to send a panel of ten examiners, not below the rank of Associate Professor for Thesis evaluation through Dean of the College to Dean PGS. An external examiner appointed by the Vice-Chancellor shall evaluate the Thesis and submit the detailed report along with his/her recommendations on the prescribed format.

- 27.2 Two external examiners appointed by the Vice-Chancellor shall evaluate the Thesis and submit their detailed reports along with any one of the following recommendations:
- (a) The Thesis be accepted for the award of Ph.D. degree after viva-voce examination.
 - (b) The Thesis be revised in view of the detailed report enclosed and should be accepted for viva-voce examination.
 - (c) The Thesis should be revised in the light of detailed report and be re-submitted for re-evaluation before viva-voce-exam.
 - (d) The thesis should be rejected and should be resubmitted for re-examination by the External Examiner.
- 27.3 When both external examiners recommend acceptance of Thesis without any serious adverse comment, the viva-voce examination on the Thesis shall be conducted by the Advisory Committee with the help of one of the external examiners. The viva-voce examination shall be open to all university teachers and post graduate students.
- 27.4 When one or both examiners recommend revision of the Thesis, the student shall revise it under the guidance of his/her Major Advisor and supervision of the Advisory Committee. He/she shall re-submit the revised Thesis within six months, which is extendable by another six months on the recommendation of Major Advisor. The Thesis shall be re-evaluated by the same examiner(s).
- 27.5 When one of the examiners recommends rejection of the Thesis, it shall be sent to the third examiner, whose recommendation shall be final.
- 27.6 When both the examiners reject the Thesis, the student shall be declared fail for the degree. He/She may, however, make a petition to the Vice-Chancellor through Dean, P.G. Studies. The Vice-Chancellor after examining the whole case may permit him/her to re-register for Thesis only, under the same Major Advisor or another one as proposed by the Head of Department and approved by the Dean, PGS.
- 27.6.1 He/She may be allotted the same or revised research problem. He/She shall be required to re-submit the Thesis within 2 years of passing the comprehensive examination.
- 27.7 A unanimous decision of the viva-voce examination committee shall be required for satisfactory performance. If performance is unsatisfactory, the student shall re-appear in the viva-voce within 1 to 3 months of the first viva-voce examination.

- 27.8 The student shall submit all hard bound thesis to Dean, P.G. Studies through Major advisor, Head of Department and Dean of the College, after satisfactory Thesis viva-voce examination and incorporation of all suggestions and corrections suggested by the external examiner and the examination committee. The Thesis shall be accompanied by report of the viva-voce examination and a certificate from Major Advisor regarding incorporation of different suggestions.
- 27.9 A Ph.D. student, based upon the satisfactory performance in viva-voce examination, comprehensive examination, semester examination, etc. may apply along with prescribed fee to the Dean, P.G. Studies for issue of the provisional degree certificate (PDC) indicating completion of degree requirements and on recommendation of the Dean, P.G. Studies, the Controller of Examinations (COE) will issue the PDC. The HEIs concerned shall complete the entire process of evaluating a Ph.D. thesis, including the declaration of the viva-voce result, within a period of six (6) months from the date of submission of the thesis.

Note:-

1. If the Major Advisor or any member of the Advisory committee has been transferred or left the University, and denies in writing to be available to conduct the viva-voce examination, a substitute may be appointed by the Dean, P.G. Studies on the viva-voce committee on the recommendation of the Head of Department.
2. Once the thesis is submitted by the student in loose or hard bound form it should be sent to Dean PGS by the concerned Deans within three day time period.

28. Registration of Project Personnel (SRF/RA) for Ph.D.:

- 28.1 A provision may be made to enable the project personnel (SRF/RA) to register for Ph.D. However, this can be done only if they are selected based on some selection process such as walk-in-interview. The prior approval of PI of the project is mandatory to consider the application of project personnel (SRF/RA) for Ph.D. admission.
- 28.2 The candidates need to submit the declaration and duly forwarded by Head of the Department stating that the project work shall not be compromised because of Ph.D. programme. Further, in order to justify the project work and Ph.D. programme, the number of credit hours should not be more than **eight** in a semester for the project personnel (SRF/RA) who intend to register for Ph.D as per UGC Regulation, 2023.

29. Teaching Assistantship:

- 29.1 The fulltime doctoral students of the University with or without fellowship may be considered for award of Teaching Assistantships in their respective Departments. The Teaching Assistantship shall be offered only to those doctoral students who have successfully finished their course work. Any consideration for award of Teaching Assistantships must have consent of the concerned Major Advisor, Head of the Department through Dean of the college.
- 29.2 Teaching Assistantships shall be awarded on semester-to-semester basis on the recommendation of a screening/selection committee to be constituted by the Vice Chancellor. All classes and assignments given to the Teaching Assistants, including tutorials, practical's and evaluation work shall be under the supervision of a faculty member who would have otherwise handled the course/ assignment.
- 29.3 Each Ph.D. student may be allowed to take a maximum of 16 classes of UG/ Masters students in a month.
- 29.4 No additional remuneration shall be paid to the students who are awarded ICAR JRF/ SRF or any other fellowship by any Govt. agency. The amount of remuneration to be paid may be decided by the University. However, the total amount of remuneration/ and fellowship shall not exceed the amount being paid as JRF/SRF of ICAR.
- 29.5 At the end of each semester, Teaching Assistants shall be given a certificate by the concerned Head of the Department, countersigned by the Dean of the concerned college specifying the nature and load of assignments completed by the Teaching Assistant.

30. Authority to Interpret the Rules:

Any question about interpretation of these rules shall be decided by the Vice Chancellor, who may if he/she so desires consult the Post Graduate Council of the University to seek necessary clarification.

31. Important Note:

Any other University orders regarding Regulation of PG studies issued prior to this regulation will be infructuous after approval of Post Graduate Academic Regulation 2023.

Format for Registration of M.V.Sc./M.Sc./Ph.D.

Name of College.....

Rajasthan University of Veterinary and Animal Sciences, Bikaner

REGISTRATION FORM FOR POST GRADUATE STUDENTS- M.V.Sc./M.Sc./Ph.D

| | | | | |
|--|------------|----------------------------|-----------------------|--------------------------------------|
| Name: | | | Enrolment No.: | |
| Father's Name: | | | Semester/Session: | |
| Programme: | | | Registration No.: | |
| Contact Address with Phone & Email ID: | | | Date of Registration: | |
| Type of Courses | Course No. | Course Title | Credit Hours | Signature of Course Teacher/Incharge |
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| Total Credit Hours Registered | | | | |
| Signature of Student | | Signature of Major Advisor | Signature of Head | Signature of Dean |

| | |
|---------------------------|-------------|
| Details of payment of fee | |
| Amount (in Figure): | |
| (in words)..... | |
| Date : | Receipt No. |
| Book No. | |

Format for approval of Advisory Committee of student

(To be filled in four copies)

Name of College.....

Department of.....

No: CVAS/ / /2023/ Date.....

1. Name of the student and subject.....

2. Registration number..... Enrolment No.....

3. Degree programme.....

4. Name of the Major advisor.....

5. Number of students registered with the proposed Major Advisor in the current semester other than the proposed student

(A) Master's.....

(B) Ph.D.....

6. Proposed Advisory Committee

| S. No. | Name | Designation | Accreditation code | Major Advisor/Co-advisor/Member | Signature |
|--------|------|-------------|--------------------|---------------------------------|-----------|
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |

Signature of Major advisor

Recommended and forwarded to the Dean.....for onward transmission to the Dean,
Post Graduate Studies for approval of Advisory Committee.

Head
(Name and Seal)

No: /Stu/2023 Date.....

Recommended and forwarded to the Dean PGS for approval of Advisory Committee.

Dean

No: RAJUVAS/PGS/ Date.....

Nomination of Dean PGS nominee by Dean PGS and approval of Advisory Committee

| S.No | Name | Designation | Accreditation code | Approval No & Date |
|------|------|-------------|--------------------|--------------------|
| | | | | |

Dean PGS

(This format should be sent along with the minutes/proceedings of departmental committee keeping in view the departmental roster of accredited teachers)

Format for approval of Course Programme

Name of College.....

Rajasthan University of Veterinary and Animal Sciences, Bikaner

COURSE PROGRAMME OF MVSc./Ph.D. STUDENT

(ALL ENTRIES MUST BE TYPED)

1. Degree Programme :
2. Subject :
3. Name of the student in full :
4. Father's Name :
5. Name of College :
6. Semester and Year of Admission :
7. Category :
8. Date of Registration :
9. Registration No. :
10. Enrolment No. :
11. Permanent address (brief) :
12. Institution last attended :
13. Date and Place of Birth :
14. Citizenship :
15. Qualifying Degree :
16. OGPA :
17. Employer's Name, if Any :

I hereby declare that above information is correct.

Signature of Student

Certified that the academic attainment of the student prior to joining of the aforesaid degree programme has been assessed properly and the Advisory Committee recommends the courses mentioned in this form including compulsory, deficient Non-credit and or exempted course.

| S.No. | Advisory Committee | Name and Designation | Department | Signature |
|-------|--------------------|----------------------|------------|-----------|
| 1. | | | | |
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Head of the Department

DEAN

COURSE PROGRAMME APPROVED BY THE ADVISORY COMMITTEE
(This must be printed at the back of Appendix III)

| Courses/Research work | Course No. | Title of the Course | Credit Hrs. | Credit / Non Credit | Total Credits |
|---|------------|---------------------|-------------|---------------------|---------------|
| Major courses | | | | | |
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| Miner courses | | | | | |
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| Supportive courses | | | | | |
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| Common courses | | | | | |
| | | | | | |
| Seminar | | | | | |
| | | | | | |
| Total credits hours of course work | | | | | |
| Research/Internship* *In case of Master's | | | | | |
| Grand total of credit hours (Course work+Research work/Internship*) *Minimum credit load should be 70 and 100 for Master's and Doctoral students, respectively | | | | | |

C-Credit

NC-Non credit

Major Advisor

Head of Department

Dean of College

Above Course Programme is Approved

Dean, Post Graduate Studies

Format for submission of report of Comprehensive Examination

CERTIFICATE OF COMPREHENSIVE EXAMINATION

This is to certify that Mr/Miss/Mrs.....student of Ph.D in the subject ofwas examined by the following members of the Advisory Committee for.....oral comprehensive Examination (non credit) held onat the.....(Name of College).....on the basis of his/her performance, the members of the committee have awarded him/her the following marks and grade:

Ph.D. oral examination

Marks obtained

Oral examination(MM 100)

Total(MM 100)

Per cent

Result: Satisfactory/Unsatisfactory

(Name & Signature)
Major Advisor

(Name & Signature)
Co-Advisor

(Name & Signature)
Member

(Name & Signature)
Member

(Name & Signature)
Member

(Name & Signature)
External Examiner

(Name & Signature)
Dean PGS Nominee

(Name & Signature)
Head of the Department

No.CVAS/ / /2023/

Date.....

Copy to:

- (a) The Dean, P.G. Studies, RAJUVAS, Bikaner
- (b) Dean of College.....
- (c) The Controller of Examination, RAJUVAS, Bikaner.
- (d) Student file in the department

(Name & Signature)
Head of the Department

Format for submission of Synopsis

Name of College.....

Rajasthan University of Veterinary and Animal Sciences, Bikaner

SYNOPSIS

1. Name of Scholar.....
2. Registration No.....Date of Registration.....
3. Title of Thesis.....
4. Department and College.....
5. Expected duration of the research work.....
(Give the period from to.....)
6. Objectives
7. Importance of proposed investigation
8. Review of Literature
9. Proposed plan of work
10. Facilities existing including farm, equipments details
11. Location of area, if field work
12. Literature cited
13. Signature of candidate
14. Certificate

The Members of Advisory Committee of.....met on.....in which the candidate presented the synopsis seminar of his/her research work entitledto be carried-out for (degree).....in (subject).....

| S.No. | Name* | Designation | Accreditation code | Signature |
|-------|-------|-------------|--------------------|-----------|
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*Write Major advisor/Co-advisor in front of the name of person.

I have examined the above synopsis and recommend that it may be approved.

(Name & Signature)
Head of the Department

Note : If there is no Head in the subject, Dean of the college will sign

The synopsis is hereby approved/not approved/to be revised.

Dean, Post Graduate Studies

Format for submission of Thesis

1. Title cover-outer (covered with plastic sheet)
2. Title cover-inner
3. Title page
4. Certificate – I
5. Certificate – II
6. Certificate – III
7. Certificate – IV
8. Acknowledgement
9. Contents
10. List of Tables
11. List of Figures and Graphs
12. List of Appendices
13. Introduction
14. Review of Literature
(May be divided into suitable chapters depending upon the research problem)
15. Materials and Methods
16. Results and Discussion
17. Summary & Conclusions
18. Literature cited
19. Abstract in English
20. Abstract in Hindi
21. Appendices

Note:

- (1) The size of the Thesis should be A 4 (8 ½" x 11")
- (2) In the University's bid to save paper, Thesis should be typed in one and half spacing on both the sides of paper with appropriate margins especially on the binding side.
- (3) Photographs, Tables, Graphs etc. can also be placed on both sides of the paper.
- (4) Unnecessary blank pages/butter papers should be avoided.
- (5) Fonts can be of 11 points also, preferably Arial Narrow or Times New Roman.
- (6) Fonts of Certificates and Bibliography/references can be reduced to 10 points in order to accommodate more material in lesser pages.
- (7) Student shall have to submit copy of the Thesis along with 4 CDs for soft storage.
- (8) The page from Introduction to Literature cited be numbered in Arabic and Appendices in Roman (bold face) numbers.
- (9) The bound Thesis should have a cover of 200 gsm or more of Art Paper sheet only.
- (10) The faculty-wise colour-coding of the title cover be as follows :

| | |
|----------------------------------|-----------------|
| A. Veterinary & Animal Science - | M.V.Sc. : White |
| | Ph.D. : White |

Hint

Format of title Cover of Thesis

Title in English

Endoscopic and Ultrasonographic Evaluation of
Buffalo (*Bubalus bubalis*) Genitalia

Title in Hindi -

भैंस (बुबलस बुबलिस) जननांग का एंडोस्कोपिक और अल्ट्रासोनोग्राफिक मूल्यांकन

Full name of degree

Master of Veterinary Science*
(Veterinary Gynaecology and Obstetrics)

Monogram of the University



। पशुधनं नित्यं सर्वलोकोपकारकम् ।

Full Name of student

Vikas Chaudhary

Year of Submission

2023

Name of Department

Department of Veterinary Gynaecology and Obstetrics

Name of College

College of Veterinary and Animal Science, Bikaner

Name of University

Rajasthan University of Veterinary and Animal Sciences, Bikaner

* Doctor of Philosophy in case of Ph. D.

Format of title Page of Thesis

Title in Hindi - भैंस (बुबलस बुबलिस) जननांग का एंडोस्कोपिक और अल्ट्रासोनोग्राफिक मूल्यांकन

Discipline for Veterinary Gynaecology and Obstetrics
Master's degree

By
Vikas Chaudhary
2023

* Doctor of Philosophy in case of Ph. D.

Reference styles for Literature cited

The **Literature cited** will be used at the end of the Thesis. In general the APA style of reference citation with some modification should be used as explained below:

Text citation of references

In the text the reference with a single author should be cited as surname of the author followed by year of publication. Example (Meatle, 1990) or Meatle (1990).

When there are two authors the surname of the first author followed by work 'and' then surname of second author followed by the year of publication. Example: (Gaur and Purohit, 2004) or Gaur and Purohit (2004).

More than 2 authors they should be cited as the surname of the first author followed by *et al.* which should be in italics (*et al.*) (For example: Ghuman *et al.*, 2010) or Ghuman *et al.* (2010)

The surname of the author that appears in the last of the name should be cited for reference such as Purohit *et al.* (2009) and not Govind *et al.* (2009). Only the surname should be cited such as Purohit *et al.* (2009) and not Purohit GN *et al.* (2009).

When multiple references appear consecutively, these should be cited in the order of increasing year of appearance separated by a semi-colon such as (Sreenan and Diskin., 1987; Meatle, 1990 and Ghuman *et al.*, 2010) or Sreenan and Diskin, (1987); Meatle, (1990) and Ghuman *et al.* (2010).

When there are more than one reference of the same authors in the same year then these should be allotted the sign as a, b, c and so on such as (Purohit, 2008a; Purohit, 2008b or Ghuman *et al.*, 2010a; Ghuman *et al.*, 2010b; Ghuman *et al.*, 2010c).

The text citation of Annual report/Manuals without authors (Instruction/Company user manual) should be Anonymous with the year in bracket for example Anonymous (2013)

Manuals without ISSN number should not be cited.

Citation of references in the Reference List

The reference list should be arranged alphabetically by author's surname. (No Bold or italics font). For references of the same author with different years the increasing order of years should be used. There should be uniformity in citation of references. All references cited in the text should be included in the reference list and vice versa.

Use 'and' before the last author if there are 2 or more authors. The paragraph should be having a hanging indentation as shown below. There should be one space between the references.

Journals

Single author citation of an article published in a journal

The author name followed by year of publication in the bracket followed by title of publication and the name of journal (Full names of the journal should be included no abbreviation is allowed) followed by the volume number, issue number and the page numbers. The punctuation and citation used should be as shown in the example below:

Purohit, G.N. (1999). Reproductive biotechniques in camelids: The current status and future prospective. *Journal of Camel Practice and Research*, **6** (1):1-13.

Two authors in a journal

Purohit, G.N. and Pareek, P.K. (2000). Research on dromedary reproduction. The past two decades and future prospective. *Veterinary Bulletin*, **70**(12):1265-1274.

Multiple authors in a journal

Purohit, G.N., Meena, H., Solanki, K. and Kumar, V. (2012). Effects of vitrification on immature and in vitro matured, denuded and cumulus compact goat oocytes and their subsequent fertilization. *Journal of Reproduction and Infertility*, **13**:53-59.

Single author, two authors or multiple authors with more than two references in the same year will be allotted the symbol (both in the text and the reference list) a, b, c etc. after the year

For example

Anwar, S. and Purohit, G.N. (2013a). Management of urinary bladder eversion and perineal laceration in a mare. *Theriogenology Insight*, **3**(1): 31-36.

Anwar, S. and Purohit, G.N. (2013b). Occurrence and surgical repair of third degree perineal lacerations in adult female camels (*Camelus dromedarius*) by one stage (Goetz) technique. *Open Veterinary Journal*, **3**(2): 69-73.

Citations of books by single author

Easton, B. (2008). Does poverty affect health? In K. Dew and Matheson, A. (Eds.), *Understanding health inequalities in Aotearoa New Zealand* (pp. 97–106). Dunedin, New Zealand: Otago University Press.

Citation of books by two or more authors

Rosenthal, R., Rosnow, R. L. and Rubin, D.B. (2000). Contrasts and effect sizes in behavioral research: A correlational approach. Cambridge, England: Cambridge University Press, pp. 224-267.

Citation of chapters in e-Book or print book

Purohit, G.N. and Rao, T.K.S. (2018). Estrus detection in buffaloes. In: Bubaline Theriogenology Purohit GN (Ed). International Veterinary Information Service. www.ivis.org Retrieved 20 August 2020.

Smith, M.C. and Sherman, D.M. (2009) Ocular system. In: Goat Medicine, Second edition, Wiley- Blackwell, USA, pp 257-271.

Webpage:

Raymon, H. and Mulford, L. (2008). The University of Toledo Health Science Campus. Instructions to authors in the health sciences. Retrieved June 17, 2008, from [http:// mulford.mco.edu/instr/](http://mulford.mco.edu/instr/).

Internet article based on a print source (exact duplicate) with DOI assigned:

Stultz, J. (2006). Integrating exposure therapy and analytic therapy in trauma treatment. American Journal of Orthopsychiatry, 76(4): 482-488. doi:10.1037/0002-9432.76.4.482.

Article in an Internet only journal with no DOI assigned:

Sillick, T. J. and Schutte, N. S. (2006). Emotional intelligence and self-esteem mediate between perceived early parental love and adult happiness. E-Journal of Applied Psychology, 2(2): 38-48. Retrieved from <http://ojs.lib.swin.edu.au/index.php/ejap/article/view/71/100>. 22 July 2020

Annual report/Manuals:

Pearson, P.L.C. (2005). Reading allowed: Annual review and summary financial statements 2004. Retrieved from http://www.pearson.com/investor/ar2004/pdfs/summary_report_2004.pdf.

Annual Report: ICAR-NRCE (2015-16) ICAR National Research Centre on Equines. NRCE Annual Report 2016.pdf - [icar-krisshi.krishi.icar.gov.in › jspui › bitstream › NRCE Annual Report](http://icar-krisshi.krishi.icar.gov.in/jspui/bitstream/NRCE%20Annual%20Report/2016/1). Retrieved 18 Aug 2020.

Annual Report (2001). Research Project (ICAR) on Network programme of embryo transfer technology. Rajasthan Agricultural University, Bikaner, Rajasthan, pp 9.

National Association of Social Workers. (2012). 2011–2012 Annual report. Washington, DC. Audel Electrician's Pocket Manual (2003), 2nd ed. Wiley Pub., Indianapolis, IN, USA.

Electronic resources:

American Psychological Association. (2008). Electronic resources. Retrieved June 17, 2008 from <http://www.apastyle.org/electref.html>.

Citation of Thesis:

Gupta, K.A. (1998). Efficiency of vaginal electrical resistance and plasma progesterone to predict stage of estrous cycle and ovulation and time insemination in buffaloes. M.V.Sc. Thesis Rajasthan Agriculture University, Bikaner, Rajasthan.

Personal communications:

Emails, non-archived discussion groups, letters, memos, telephone conversations, and personal interviews are considered personal communications. This type of communication can be difficult to provide recoverable data; therefore, these types of communication should not be included in the Thesis.

Secondary citations:

A secondary citation is where you are citing information or quotes the author of your reference has taken from source that you have not read.

In-text citation:

Name the author of the original work in your text, cite the secondary source in “in-text citation”: (as cited in Coltheart *et al.*, 1993) for example:

Seidenberg and McClelland’s study, conducted in 1990 (as cited in Coltheart *et al.*, 1993), shows that the effect of hydroxytriazenes is measurable.

Reference list entry:

Give the secondary source in the reference list for example:

Coltheart, M., Curtis, B. Atkins, P. and Haller, M. (1993). Models of reading aloud: Dual-route and parallel-distributed-processing approaches. *Psychological Review*, **100**: 589–608.

Format of Certificate – I
(to be included in the Thesis)

Rajasthan University of Veterinary and Animal Sciences, Bikaner
(Name of College)

CERTIFICATE – I

Date.....

This is to certify that this thesis entitled.....
submitted for the degree of.....in the subject
of.....embodies the bonafide research work carried-
out by Mr./Miss/Mrs.....(First name) (Middle name) (Surname).....under my
guidance and supervision and that no part of this thesis has been submitted for any other
degree. The assistance and help received during the course of investigation have been
fully acknowledged. The draft of the thesis was also approved by the Advisory Committee
on.....

(Name & Signature)
Head of the Department

(Name & Signature)
Major Advisor

(Name & Signature)
Dean of the College

Format of Certificate – II
(to be included in the Thesis)

Rajasthan University of Veterinary and Animal Sciences, Bikaner
(Name of College)

CERTIFICATE – II

Date.....

This is to certify that the thesis entitled.....submitted by
Mr./Miss/Mrs.....to Rajasthan University
of Veterinary & Animal Sciences, Bikaner, in partial fulfilment of the requirements
for the degree of.....in
the subject of....., after recommendation by the external
examiner, was defended by the candidate before the following members of the examination
committee. The performance of the candidate in the oral examination on his/her thesis
has been found satisfactory, we therefore, recommend that the thesis be approved.

(Name and Signature)
Major Advisor

(Name and Signature)
Co-Advisor

(Name and Signature)
Member

(Name and Signature)
Member

(Name and Signature)
External Examiner

(Name and Signature)
Member

In case of Ph.D student

(Name and Signature)
Dean, PGS Nominee
Member

(Name and Signature)
Head of the Department

Approved

(Name and Signature)
Dean, Post Graduate Studies

*Format of Correction Certificate
(to be included in the Thesis)*

Rajasthan University of Veterinary and Animal Sciences, Bikaner
(Name of the College)

CERTIFICATE – III

Date.....

This is to certify that Mr./Miss/Mrs.....
M.V.Sc./M.Sc./Ph.D. of the Department of.....
College of..... has made all the corrections/
modifications in the thesis entitled.....
which were suggested by the external examiner and the advisory committee in the oral
examination held on..... The final copies of duly
corrected and hard bound thesis submitted on.....are forwarded
herewith for approval.

(Name & Signature)
Major Advisor

(Name & Signature)
Head of the Department

(Name & Signature)
Dean of the College

Approved

(Name and Signature)
Dean, Post Graduate Studies

***Format of Copyright Transfer Certificate
(to be included in the Thesis)***

**Rajasthan University of Veterinary and Animal Sciences, Bikaner
(Name of the College)**

Certificate –IV

Date.....

This is to certify that the thesis entitled.....is an original work carried out by me under the guidance of.....at the College....., Rajasthan University of Veterinary and Animal Sciences, Bikaner, Rajasthan. I hereby transfer the copyright of the Thesis to the University.

(Name & Signature)
Candidate

Format of Certificate – V

(to be attached with Thesis (if required) at the time of submission)

Rajasthan University of Veterinary and Animal Sciences, Bikaner
(Name of College)

CERTIFICATE – V

Date.....

This is to certify that.....had
successfully completed the comprehensive examinations held on.....
as required under the regulation for Ph.D. degree.

(Name & Signature)
Head of the Department
College & Campus

Format of Certificate – VI
to be attached with thesis (if required) at the time of submission

Rajasthan University of Veterinary and Animal Sciences, Bikaner
(Name of the College)

Certificate VI

Date.....

This is to certify that the research has done in the thesis of.....(Name of student).....
M.V.Sc/Ph.D. Scholar (Registration No.....) in
the department of(Name of department).....with regard
to.....birds/animals (kind of animal/species)..... have the approval of the IAEC/CPCSEA
(Approval.No. 26-3/2020-21/JD(R)/AEC meeting).....

(Name & signature)
Major advisor

(Name & signature)
Head of the Department

Format of Plagiarism Check Certificate
(to be attached with thesis at the time of submission)

Rajasthan University of Veterinary and Animal Sciences, Bikaner
(Name of the College)

Certificate VII

Date.....

This is to certify that the thesis entitled.....
in the subject of.....submitted by.....
M.V.Sc/Ph.D. Scholar (RegistrationNo.....) for evaluation has
been subjected to Plagiarism Check using the.....tool/software and
the percentage similarities of the aforesaid thesis has been found to be.....

The plagiarism detection report duly authenticated by me is enclosed herewith.

(Name & Signature)
Major advisor

(Name & Signature)
Candidate

Format of Certificate for Submission of Thesis Viva-voce Report
Rajasthan University of Veterinary and Animal Sciences, Bikaner

Date.....

This is to certify that the Thesis entitled.....submitted by
Mr./Miss/Mrs.....to the Rajasthan University of Veterinary and Animal
Sciences, Bikaner, in partial fulfilment of the requirements for the degree of.....
(M.V.Sc/Ph.D)..... in the subject of.....was examined
by the external examiner(s).

The candidate was examined orally on his/her thesis. External examiner and the following committee
members based on the examination recommend that :

- (i) The performance of the candidate has been found satisfactory. Thus we recommend
acceptance of thesis for the award of the degree.
- (ii) The performance of the candidate has been found unsatisfactory. Thus the candidate be
asked to re-appear in the oral examination.

(Name & Signature)
Major Advisor

(Name and Signature)
Co-Advisor

(Name & Signature)
Member

(Name and Signature)
Member

(Name & Signature)
Member

(Name and Signature)
Dean, PGS Nominee

(Name and Signature)
External Examiner

In case of Ph.D. Student

Forwarded by the Head, Department ofto :

1. Dean, Post Graduate Studies, Rajasthan University of Veterinary & Animal Sciences, Bikaner.
2. Dean of College of.....
3. Controller of Examination, Rajasthan University of Veterinary & Animal Sciences, Bikaner.

(Name & Signature)
Head of the Department

Note: Strike out whatever is not applicable.

*(Format for sending Panel of Examiners to be sent through
Dean of College under confidential Cover)*

**PANEL OF EXAMINERS FOR ORAL COMPREHENSIVE
EXAMINATION/THESIS EVALUATION/VIVA VOCE EXAMINATION**

1. Name of student..... Enrolment No.....
2. Programme: M.Sc./M.V.Sc./Ph.D.....
3. Name of examination: Oral Comprehensive examination/Thesis evaluation/Viva Voce.....
4. Department:
5. Name of College:
6. Name and Address of the external examiner proposed :

| S.No. | Name and Designation | Contact address | Phone and email ID |
|-------|----------------------|-----------------|--------------------|
| 1. | | | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |

Note: Ten examiners for Master's and Ph.D. for Thesis evaluation and Ten examiners for Comprehensive examination (Ph.D.) to be listed.

No.CVAS/ / /2023/

Date.....

Recommended and Forwarded in duplicate to the Dean, PGS, RAJUVAS, Bikaner

(Name & Signature)
Head of the Department

Format of Thesis Evaluation report

Rajasthan University of Veterinary and Animal Sciences, Bikaner

THESIS EVALUATION REPORT

1. A. Name of student :
- B. Name of Advisor :
- C. Subject :
- D. College :
- E. Title of Thesis :
- F. Degree : M.V.Sc./M.Sc./Ph.D.....
2. Introduction :
3. Review of Literature :
4. Materials & Methods:
5. Results & Discussion :
6. Summary and Conclusions :
7. Literature cited :
8. Appendices :
9. Language :
10. Recommendation :

(Name & Signature)

Examiner

Rajasthan University of Veterinary and Animal Sciences, Bikaner

CERTIFICATE OF RECOMMENDATION FOR M.V.Sc/Ph.D

| | | |
|---|--------------------|--|
| 1 | Title of Thesis | |
| 2 | Candidate's Name | |
| 3 | Major Advisor Name | |
| 4 | Subject Name | |
| 5 | College Name | |
| 6 | Degree | |
| 7 | Name of Examiner | |

This is to certify that I have critically examined the above thesis submitted to the Rajasthan University of Veterinary & Animal Sciences, Bikaner in, partial fulfillment of the requirement for the above degree. On the basis of the detailed report (enclosed), I recommend that:

- The Thesis be accepted for the award of M.Sc./M.V.Sc/Ph.D degree after viva-voce examination.
- The Thesis be revised in view of the detailed report enclosed and should be accepted for viva-voce examination.
- The Thesis should be revised in the light of detailed report and should be resubmitted for re-examination by the External Examiner.
- The thesis should be rejected.

(Strike out whichever is not applicable)

(Signature of Examiner)

Date:

Name (Capital).....

Phone: (O)

Designation.....

Mobile:

Address (Office).....

Fax

Address (Residence).....

E Mail:

POST GRADUATE SCHEDULE FOR MASTERS PROGRAMME

| Semester | From Date of Registration | Activities |
|-----------------|----------------------------------|---|
| First | As per notification | Fresh admission and registration |
| | First two month | Appointment of Major Advisor Formation of Advisory Committee and its approval from Dean, PGS |
| | Third month | Meeting of the Advisory Committee to chalk-out course programme |
| | Before mid of semester | Course programme approval from Dean, PGS |
| Second | As per notification | Registration in second semester as per the approved course programme by Dean, PGS |
| Third | First two months | Allotment of research problem and synopsis seminar |
| | Third month | Submission of synopsis for approval by Dean, PGS |
| | Fourth month onwards | Start of research work |
| Fourth | | Completion of Research work |
| | | If research work is completed he/she may deliver thesis seminar and submit his/her thesis after completion of 75% attendance in this semester |
| After fourth | | Completion of research work if not completed earlier, delivery of thesis seminar and thesis submission |

POST GRADUATE SCHEDULE FOR Ph.D. PROGRAMME

| Semester | From Date of Registration | Activities |
|-------------|---------------------------|---|
| First | First two months | Appointment of Major Advisor and Advisory Committee Approval of Advisory Committee by Dean, PGS |
| | Third month | Meeting of the Advisory Committee to Chalk-out the course programme |
| | Before mid of semester | Course programme approval from Dean PGS |
| Second | First month | Allotment of research problem |
| | Second month | Seminar to finalize synopsis of the research work for approval by Dean, PGS |
| | Third month to last month | Comprehensive examination as per schedule of university and start of research work |
| Third | | Research work |
| Fourth | | Research work |
| Fifth | | Research work |
| Sixth | | Completion of Research work |
| | | If research work is completed he/she may deliver thesis seminar and submit his/her thesis after completion of 75% attendance in this semester |
| After Sixth | | Completion of research work if not completed earlier, delivery of thesis seminar and thesis submission |

Standard format for writing Master's and Ph.D Thesis

| | |
|---------------------------------|---|
| Font type | Arial narrow or Times New Roman |
| Font Size | 11 (can be reduced to 10 in long tables or certificates) |
| Heading Font | 12 Bold |
| Sub-Heading font | 11 Bold |
| Line spacing | One and a half |
| Spacing left | 2 |
| Spacing Right | 1 |
| Spacing Bottom | 1 |
| Spacing Top | 1.5 |
| Page numbering format | From Introduction page to Literature Cited |
| Photographs | Not to be page numbered |
| Tables numbering | Table numbers will be given sequentially as they appear in the text of the Section of thesis |
| Dedication | Not allowed. There will be no such page in the thesis |
| Acknowledgement (Font size 10) | Should not exceed more than one page and it should contain proper acknowledgement to all official sources |
| Introduction | An introduction should address the importance of the study, the research earlier carried out on the topic and objectives of the study. Population data having no relevance to the study should not be included. |
| Review of literature | It should be abstractive in nature and in should be classified into subtopics. The references should be cited chronologically in the year of their appearance. Kindly also refer Appendix IX |
| Materials and Methods | This should explain the details of the materials and methods used in the study with pertinent citations. The procedures should be explained in a clear way. |
| Results and Discussion | The results should be presented in accordance with the objectives of the study and divided into appropriate sub-sections. Data in tables should not be explained in text but write in brief to avoid replication. Exceptionally long tables with little meaning should be avoided. The discussion should include the results and comparison of your results with the previous studies critically and also interpretation. |
| Summary and Conclusions | Briefly mention the summary of the work done and the conclusions |
| Literature Cited | Only the literature cited in the text should be included. Refer Appendix IX |
| Annexure | Annexure should be numbered with Roman numerals |
| Abstract (in English and Hindi) | Font size 11, single space The abstract section should briefly explain the objectives of the study, methodology used, at salient results or findings and conclusion at the end. |

Thesis Submission Checklist

1. Name of Student :
2. Date of Admission :
3. Registration No. :
4. Enrolment No. :
5. Date of approval of Advisory committee :
6. Date of approval of Course programme :
7. Date of synopsis seminar :
8. Date of approval of synopsis :
9. Date of successful completion of comprehensive exam :
10. Date of start of thesis work :
11. Whether permitted withdrawal under PG Rule
(If yes attach photocopy of the order) :
12. Whether completed the residential requirement,
(4 semesters for PG and 6 semesters for Ph.D.) : Yes/No.
13. Date of thesis seminar :
14. Date of submission of thesis :
15. Thesis is as per format (Yes/No) : Yes/No.
16. Whether Hindi translation of abstract (Yes/No) : Yes/No.
17. Have you submitted/Acceptance of Research article : Yes/No

(Name and Signature)

Major Advisor

Forwarded and verified above information

(Name and Signature)

Head of the Department

Certified that the submission is as per PG Academic Regulations and forwarded to the Dean, PGS

DEAN

Office of the Dean, Post Graduate Studies, RAJUVAS, Bikaner

Checked by.....

Verified by.....

OFFICE OF THE DEAN POST GRADUATE STUDIES

RAJASTHAN UNIVERSITY OF VETERINARY AND ANIMAL SCIENCES, BIKANER

Form for Accreditation of teacher/scientists

I hereby apply for the approval of one or more of the following:- (Cross-out whichever is not required and if you are approved for any of the following, mention order/ notification number and date)

| S. No. | Programme | Code |
|--------|--|--------|
| 1. | Teaching Master's degree programme only | (R-01) |
| 2. | Teaching & Guiding Master's degree program | (R-02) |
| 3. | Teaching & Guiding Master's degree programme and Teaching Ph.D.'s degree programme | (R-03) |
| 4. | Teaching & Guiding Master's and Ph.D. degree programme | (R-04) |
| 5. | Guiding Master's degree programme only (As Co-adviser belongs to other institute) | (R-05) |
| 6. | Guiding Ph.D. degree programme only (As Co-adviser belongs to other institute) | (R-06) |

- Name of the applicant**.....
- Designation**.....
- Subject**.....
- Department/Division**.....
- Place of posting**.....
- Present address (official)**.....
- Academic qualifications**

| Qualifications | Year | Board/University | Division & percentage of marks/ OGPA of Major subject |
|----------------------------------|------|------------------|--|
| Bachelor's degree (B.V.Sc.&A.H.) | | | |
| Master's degree (M.V.Sc.) | | | |
| Ph. D | | | |
| Specify other details (if any) | | | |

- Titles of thesis submitted for any degree with year of submission:**

- (a) **M.V.Sc:**.....
- (b) **Ph.D:**.....

- Experience :**

| A. Teaching | Period | No of Years | UG/PG class | Institution |
|-----------------------|--------|-------------|-------------|-------------|
| | | | | |
| B. Research/Extension | Period | No of Years | Institution | Remark |
| | | | | |

Post-Graduate Academic Regulations - 2023

10. No. of students guided:.....

11. Mention below the field of your specialization & No. of years in each:

1.....

2.....

3.....

12. Publication (Include list of publications)

1. No. of research papers.....

2. No of articles.....

3. Others.....

Dated:.....

Signature of applicant

Recommendation of Head/In-charge of the parent Department/Division with Justification

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

Head of Department or
Head/Incharge of the Division/Center (For other institute)

Remark of Director (For other institute only)

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

Director
(Signature & Seal)

Remark of Dean (Where applicant wants to apply)

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

Dean of College
(Signature & Seal)

Office of the Dean, Post Graduate Studies, RAJUVAS, Bikaner

Approved for:

Code No:.....

DEAN
Post Graduate Studies

List of specified minor/supportive subjects (Departments)

| Major Subject | Minor/supportive subjects/Courses/Departments* |
|-------------------------------------|---|
| Animal Genetics and Breeding | Veterinary Biotechnology, Statistics, Livestock Production and Management, Veterinary Gynaecology and Obstetrics, Veterinary Physiology, Veterinary Biochemistry, Poultry Science, Animal Nutrition |
| Animal Nutrition | Veterinary Biochemistry, Veterinary Physiology, Livestock Production and Management, Veterinary Biotechnology, Livestock Products Technology, Poultry Science |
| Livestock Production and Management | Animal Nutrition, Animal Genetics and Breeding, Veterinary Gynaecology and Obstetrics, Livestock Products Technology, Veterinary Extension Education |
| Livestock Products Technology | Food Science and Technology, Veterinary Biochemistry, Veterinary Microbiology, Veterinary Public Health and Epidemiology, Poultry Science, Livestock Production and Management |
| Poultry Science | Animal Genetics and Breeding, Animal Nutrition, Livestock Products Technology, Livestock Production and Management |
| Veterinary Anatomy and Histology | Veterinary Biochemistry, Veterinary Pathology, Veterinary Physiology, Veterinary Surgery and Radiology, Veterinary Gynaecology and Obstetrics, Veterinary Biotechnology |
| Veterinary Biochemistry | Veterinary Physiology, Veterinary Medicine, Animal Nutrition, Animal Genetics and Breeding, Veterinary Biotechnology, Livestock Production Management, Veterinary Pharmacology and Toxicology, Veterinary Microbiology, Veterinary Parasitology, Veterinary Pathology, Veterinary Gynaecology and Obstetrics |
| Veterinary Biotechnology | Veterinary Biochemistry, Veterinary Physiology, Veterinary Microbiology, Animal Genetics and Breeding, Livestock Products Technology, Veterinary Gynaecology and Obstetrics, Veterinary Pathology, Animal Nutrition, Veterinary Parasitology, Veterinary Pharmacology and Toxicology, Veterinary Medicine, Veterinary Surgery and Radiology, Veterinary Public Health and Epidemiology, Wild Life |
| Veterinary Extension Education | Animal Nutrition, Poultry Science, Livestock Production Management, Veterinary Public Health and Epidemiology, Livestock Products Technology, Veterinary Gynaecology and Obstetrics, Animal Genetics and Breeding, Livestock Economics, Statistics |

Post-Graduate Academic Regulations - 2023

| Major Subject | Minor/supportive subjects/Courses/Departments* |
|---|---|
| Veterinary Gynaecology and Obstetrics | Veterinary Pathology, Veterinary Pharmacology and Toxicology, Veterinary Physiology, Veterinary Biochemistry, Veterinary Bacteriology, Veterinary Immunology, Veterinary Surgery and Radiology, Veterinary Medicine, Veterinary Biotechnology, Animal Nutrition, Livestock Production and Management |
| Veterinary Medicine | Veterinary Physiology, Veterinary Microbiology, Veterinary Parasitology, Veterinary Pharmacology and Toxicology, Veterinary Surgery and Radiology, Veterinary Public Health and Epidemiology, Veterinary Gynaecology and Obstetrics, Veterinary Biochemistry |
| Veterinary Microbiology | Veterinary Biotechnology, Veterinary Public Health and epidemiology, Veterinary Medicine, Veterinary Pathology, Veterinary Biochemistry |
| Veterinary Parasitology | Veterinary Public Health and epidemiology, Veterinary Microbiology, Veterinary Pharmacology and Toxicology, Veterinary Biotechnology, Veterinary Pathology, Veterinary Biotechnology |
| Veterinary Pathology | Veterinary Microbiology, Veterinary Anatomy and Histology, Veterinary Medicine, Veterinary Parasitology, Veterinary Pharmacology and Toxicology, Animal Nutrition |
| Veterinary Pharmacology and Toxicology | Veterinary Physiology, Veterinary Biotechnology, Veterinary Medicine, Veterinary Pathology, Veterinary Biotechnology |
| Veterinary Physiology | Veterinary Anatomy and Histology, Veterinary Biochemistry, Veterinary Gynaecology and Obstetrics, Animal Genetics and Breeding, Veterinary Biotechnology, Veterinary Surgery and Radiology, Livestock Production Management, Veterinary Pharmacology and Toxicology, Veterinary Medicine, Poultry Science, Veterinary Pathology, Animal Nutrition |
| Veterinary Public Health and Epidemiology | Veterinary Medicine, Veterinary Microbiology, Veterinary Pathology, Veterinary Biotechnology, Veterinary Pharmacology and Toxicology, Veterinary Parasitology, Livestock Products Technology |
| Veterinary Surgery and Radiology | Veterinary Physiology, Veterinary Biochemistry, Veterinary Biotechnology, Veterinary Anatomy and Histology, Veterinary Medicine, Veterinary Pathology, Veterinary Gynaecology and Obstetrics, Veterinary Pharmacology and Toxicology, Veterinary Physiology, Veterinary Pathology, Veterinary Biotechnology |
| *The choice of minor courses other than those listed above, may be allowed on the recommendations of advisory committee, if essentially required as per the research problem, with the concurrence of Head of the department/advisory committee and Dean Post Graduate Studies. | |



। पशुधनं नित्यं सर्वलोकोपकारकम् ।

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Post Graduate Studies
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