

**Post Graduate (PG)-Academic Regulations-2022  
For  
Master's and Doctorate Degree Programmes**



**U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan  
Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura-  
281001(UP)  
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## PART – I

### PRELIMINARY

**Short Title and Commencement:** (1) The Post Graduate (PG) Regulations-2022 of U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura for the award of the Master's and Doctor of Philosophy degree may be called the PG Academic Regulations-2022 of U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura and shall come into force from the date of their approval by the Academic Council of the University.

**2. Definitions of Academic Terms** In these PG Regulations, unless the context otherwise requires:

**“PG Academic Regulations”** means the Academic Regulations of U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura for the course of study in the University for the award of degrees of Master's and Doctorate.

**Chairperson** means a teacher of the major discipline proposed by the Head of Department through the Dean of the College and duly approved by the Dean Post Graduate Studies to act as the Chairperson of the Advisory Committee and also to guide the student on academic issues.

**Course** means a unit of instruction in a discipline carrying a specific number and credits to be covered in a semester as laid down in detail in the syllabus of a degree programme.

**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 minimum two clock hours of laboratory work per week.

**Credit load** of a student refers to the total number of credits of all the courses he/ she registers during a particular semester.

**Grade Point (GP)** of a course is a measure of performance. It is obtained by dividing the per cent mark secured by a student in theory and/or practical component of a particular course by 10 and rounded off to second decimal place.

**Credit Point (CP)** refers to the Grade point multiplied by the number of credits of the theory and/or practical respectively, expressed and rounded off to second decimal place.

**Course Credit point (CCP)** refers to the sum total of the credit points earned in theory and practical components.

**Semester Grade Point Average (SGPA)** means the total of course credit point earned by a student divided by total number of credits of all the credit courses registered in a semester (excluding the non-graded courses), expressed and rounded-off to third decimal place.

**Cumulative Grade Point Average (CGPA)** means the total credit points earned by a student divided by the total number of credits registered by the student until the end of a semester (all completed semesters), expressed and rounded off to third decimal place.

**Overall Grade Point Average (OGPA)** means the total credit points earned by a student in the entire degree programme divided by the total number of credits required for the P.G. degree, expressed and rounded off to third decimal place.

**“Semester”** means a period consisting of minimum 105 instructional days, excluding examination days and during a semester, a minimum of 15 lectures are required to be delivered for each credit hour of the course.

**“Syllabus”** and **“curriculum”** means the syllabus and curriculum for courses of study as specified by the U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura.

**“Teaching Experience”** means teaching experience in the subject concerned or related subjects in any similar faculty or the University or Institution recognized by the VCI/ ICAR/

UGC or Association of Indian Universities.

## PART – II

### COURSE OF STUDY

**1. Description:** A degree course of Master's and Doctorate shall comprise of the courses of study consisting for the curriculum and syllabus provided in these regulations and spread over a minimum of two and three academic years, respectively.

**2. Academic Year and Semester Calendar:** The academic year for Master's and Doctorate shall ordinarily be from first week of August to June. It shall be divided into two semesters of 105 days each. The semester calendar of each academic year shall be circulated by the Dean Post Graduate Studies (Dean, PGS) before the start of the Academic session.

## PART – III

### 1. Admission to Master's/PhD Course

Admission to Master's/PhD programmes shall be done on the basis of selection after Post Graduate Entrance Test (PGET) or as may be specified by Academic Council through prospectus each year and /or counseling, payment of prescribed fees and registration of first semester of study. The admissions in various programmes can be in either of the semester as decided by Academic Council.

a. No candidate shall be admitted to the Master course unless he/she has:

i. Passed BVSc& AH Degree as per the Schedule-I and II of the Veterinary Council of India (VCI) for MVSc courses.

OR

Passed Bachelor Degree in Biotechnology/ Fishery Science / Life Science / Dairy Science/ Pharmacy for MSc/M.Tech./M.V.Sc./M.F.Sc. in Biotechnology

AND

ii. Obtained a CGPA/OGPA of not less than 6.0 on a ten point scale or equivalent percentage in case of candidates belonging to Unreserved (UR), Economically Weaker Section (EWS) and Other Backward Classes (OBCs) and a CGPA/OGPA of not less than 5.5 on a ten point scale or equivalent percentage in case of candidates belonging to Scheduled Castes (SCs) and Scheduled Tribes (STs) categories in his/her Bachelor or Master's Degree. The respective formula will be converted in 4.0 scales for traditional system.

b. No candidate shall be admitted to the Doctorate course unless he/she has:

i. Passed Master's Degree in the concerned or related subject with Course work and research work (Or equivalent dissertation/ project work under IDE)

ii. Obtained an OGPA/CGPA of 6.5/10 or equivalent percentage of marks for unreserved (UR), Economically Weaker Section (EWS) and Other Backward Classes (OBCs) category candidates and OGPA/CGPA of 6.00/10 for SC/ST/PH category candidates in his/her Master's Degree. The respective formula will be converted in 4.0 scales for traditional system.

### 2. Selection of Students

i. To be eligible for seeking admission in any discipline candidate must have appeared in competitive entrance examination.

ii. The selection of students to a Postgraduate degree programmes as may be specified by the academic council through prospectus each year.

iii. One seat in each discipline in MVSc programme is reserved for the candidates to be nominated by Indian Council of Agricultural Research (ICAR), New Delhi based examination conducted by National Testing Agency or as decided by ICAR. Such candidates need not follow regulations as specified for candidates seeking direct admission to University (as per (i) and (ii) above). Any seat falling vacant under this category shall be filled by the University.

iv. In case of PhD admissions in Veterinary Science, one additional seat in each discipline

<p>will be created and reserved for the candidates who qualify examination conducted by ICAR/in-service candidates of SAU's/SVUs and such candidates need not follow regulations as specified for candidates seeking direct admission to University (as per (i) and (ii) above).</p> <p>v. In addition, one seat will be created and reserved in PhD for in-service candidate of U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura.</p> <p>vi. In case of PhD admissions in Biotechnology, one additional seat in each discipline will be created and reserved for the candidates who qualify national level examination conducted for admission in PhD Biotechnology/in-service candidates of other University/Institute.</p>
<p><b>3. Reservation of Seats for Admission:</b> The reservation policy of the Government of Uttar Pradesh will be followed for admissions to Master's and PhD programme(s). The roster will be applicable on the total number of seats in Master's and PhD degree programme. However, in the event of any seat falling vacant due to non-availability of applicants/candidates of a particular category from the reservation quota or UR or that reserved for ICAR, then such vacant seats shall be filled up as decided by Academic council in 2(ii) above, without following roster.</p>
<p><b>4. Time of Admission:</b> Admission to Master's and PhD degree programmes shall be made at the commencement of the first semester of each academic year, unless otherwise specified by the University Authority.</p>
<p><b>5. Counseling:</b> Counseling for admission to the post graduate courses shall be held on the specified date as mentioned in the prospectus of the year or as notified by the Registrar.</p>
<p><b>PART- IV</b></p>
<p><b>ENROLLMENT, REGISTRATION AND CONTINUANCE</b></p>
<p><b>1. Enrollment:</b> Students admitted to Master's or PhD programmes and the continuing students shall present themselves in person in the respective department in the College of Veterinary Science and Animal Husbandry/Office of the Dean, College of Biotechnology/Dean of any other college created by University, at the beginning of each semester on dates notified by the Registrar/Dean, PGS for advisement and registration, respectively.</p>
<p><b>2. Registration:</b> Following advisement as prescribed above, registration and enrollment of candidates selected for admission and registration of the continuing students shall be completed on scheduled date(s) notified earlier by Registrar/ Dean, PGS for each semester.</p>
<p><b>3. Mode of Registration:</b> Registration shall consist of the following steps:</p> <ol style="list-style-type: none"> <li>i. 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.</li> <li>ii. After depositing the fee, the student shall submit the duly completed and signed registration cards in the office of the Dean, PGS.</li> <li>iii. No registration will be allowed in absentia.</li> </ol>
<p><b>4. Registration of Fresh Students:</b> Registration for the first semester of the year for Master's or PhD degree programme is a part of admission procedure and shall be governed by the admission rules. Admission of new students failing to register in the prescribed manner on the assigned date is liable to be cancelled.</p>
<p><b>5. Registration of Continuing Students:</b> Registration of the continuing students in the subsequent semester(s) shall be held in a similar way on the date and time notified by the Registrar/ Dean, PGS.</p>
<p><b>6. Late Registration:</b> A continuing student, who does not register on the day of registration, shall be required to pay a late registration fee at the rate of Rs. 100/- per day for next six days excluding holidays. Student failing to register within next 6 working days shall not be allowed registration in that particular semester. Such student has to apply in subsequent semester to</p>

Dean PGS for registration. Any semester(s) so missed will be considered as dropped (Withdrawn) and will be counted towards total duration of degree. No benefit of attendance is to be given for late registration.

**7. Suspension of Registration:** The registration of any student may be suspended by the Vice-Chancellor on the recommendation of the disciplinary committee. A student whose registration has been suspended as above will have to vacate the hostel and leave the campus. The student will be graded as failed in the concerned semester and this semester will be counted towards total duration of degree.

**8. 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 the rules and regulations of the University, strikes, absence from class (s) without permission or without any valid reason or in cases the Vice-Chancellor has reasons to believe that their continuance in the institution would not be in the interest of the University. Such student will have to leave the campus and vacate the hostel immediately, if he/she is hosteller. The student will be graded as failed in the concerned semester and this semester will be counted towards total duration of degree.

**9. Dropping from the University:** Discontinuation of studies by any Master's or PhD student will be permissible only on justified grounds after the completion of first semester examination. The student may be allowed by Dean, PGS to seek re-admission in the subsequent year(s)/semester (s) subject to the condition that the total period of withdrawal shall not exceed six semesters in case of Master's and eight semesters in case of Doctorate students. Normally, the student will be permitted to take dropping only from the next semester of study. 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 examination(s) in which he/she has appeared or passed) will be null and void. The maximum permissible limit to complete the degree will be 10 semesters for Masters and 14 semesters for Doctorate including the period of dropping/withdrawal/ non-registration in any semester (s)

#### **PART- V**

##### **ATTENDANCE REQUIREMENT**

**1. Record of Class Attendance:** Each teacher shall maintain a record of the student's attendance in each course taught by him/her in each semester. It would be responsibility of course teacher to convey shortage of attendance to the student and in case of highly irregular students a letter should be sent to their parents conveying that student's registration is liable to be cancelled. Soon after the completion of the semester i.e. the next day of completion of semester the HOD should send the complete attendance statement to the Dean PGS with specific remarks and recommendations, who would in turn forward it to the office of the COE as well as to Registrar office with recommendations. The notification of the attendance to the student should be displayed on the notice board and University website and be announced in the classroom by the concerned teacher.

**2. Minimum Class Attendance:** Each student shall be regular in attending classes and shall be required to have a minimum of 75 per cent attendance (including attendance benefit; if any), both in theory and practical separately in each course in each semester at Master's and PhD level failing which he/ she will not be allowed to appear in the semester examination and he/ she shall be declared as failed in that subject unless withdrawal from the course is permitted duly by Dean PGS.

#### **PART- VI**

**1. Allotment of Advisor:** Major Advisor of the Master's/PhD student should be allotted within three months of admission in first semester by the concerned Head of Department, keeping in view the recommendation of the Departmental Academic Committee and approved by the Dean, PGS. The DAC will maintain a register of allotment of students separately for

Masters and Doctorate program. Major advisor should be allotted on rotational basis as per the eligibility in current academic year for becoming an Advisor. The Head of the department will certify that the meeting of DAC has taken place and eligibility and rotation system has been followed.

## **2. Accreditation for Postgraduate Teaching and Research:**

- All teachers of the University in the rank of Professors/Principal Scientist from ICAR institutions shall be automatically accredited for postgraduate teaching and research up to doctorate level in the concerned subject or allied subjects.
- All teachers of University in rank of Associate Professors/Senior Scientist from ICAR institutions shall be automatically accredited for postgraduate teaching and Master research in concerned subject or allied Subject. For guiding research up to PhD level, he/she shall be accredited to guide PhD research provided that staff member has:
  - i. Teaching experience of two years at Master's level.
  - ii. Successfully guided at least one Master's degree student.
- All teachers of the University in the rank of Assistant Professors/ Scientist from ICAR institutions will be eligible for teaching postgraduate courses as per their qualification. The teachers (Assistant Professors or equivalent) having PhD degree will be eligible for Masters teaching and will undertake doctorate teaching after acquiring experience of two years of masters teaching. The Teachers (Assistant Professors or equivalent) having master's degree will be eligible for Masters teaching after acquiring two years of UG teaching experience.

**2.1** For postgraduate teaching and research, faculty members (Assistant Professors) will be accredited by the Accreditation Committee consisting of Dean PGS (Chairman), Director of Research, Dean of the concerned college as member and Head of concerned department. For accreditation to guide research at Master's or Doctorate level, the number and quality of research publications shall be taken in to consideration. For accreditation, a teacher will have to make an application to Dean, PGS through proper channel by submitting their bio-data along-with willingness. The recommendation of Accreditation Committee will be considered by the Academic Council for final approval.

**2.2. Masters:** An Assistant Professor/Scientist having PhD degree (relaxable to Master's degree in the faculty (discipline) where PhD's are not available) shall be accredited to guide research at the Master's level provided that staff member has:

- a. A minimum experience of teaching/research/extension for a period of 2 years in case of Doctorate holder and 5 years in case of Masters holder  
and
- b. Has at least three research papers published in the journal of repute having NAAS rating not less than 4.0.

However, an Assistant Professor possessing PhD degree in the allied subject shall be considered for accreditation to guide research at Master's level provided that he/she has-

- a. A minimum experience of teaching/research/extension in the concerned discipline for a period of 5 years in case of Doctorate holder and 8 years in case of Master's degree holder  
and
- b. Has at least 6 research papers in the concerned discipline published in the journal of repute (NAAS rating  $\geq 4.0$ ).

**2.3. Doctorate:** A Assistant Professor/Scientist having PhD degree shall be considered for accreditation to guide research at PhD level provided he/she has guided research at Master level for a period of at least two years and successfully guided at least Two Master degree students.

**2.4. Co-Major Advisor:** Co-Major Advisor from same or other department/discipline may be

appointed by Dean, PGS on recommendation of Major Advisor/ Head of Department under the following conditions.

- i) Where there is inter-institutional collaboration with other outside Institute/University/Agency.
- ii) Where Major advisor has gone on leave for a period exceeding six months.
- iii) Where Major Advisor of other institution/University, Co-Major Advisor will be of the parent University and vice versa.

**Advisor/ Co-guide/ Member, Advisory Committee from other collaborating University/ Institute/ Organization**

- In order to promote quality Post-graduate research and training in cutting edge areas, the University may enter into Memorandum of Understanding (MOU) with other Universities/ Institutions for conducting research. While constituting an Advisory Committee of a student, if the Major Advisor feels the requirement of involving of a faculty member/ scientist of such partnering university/ Institute/ Organization, he/ she may send a proposal to this effect to Dean PGS through HoD giving proper justification and requirements.
- The proposed faculty member from the partnering institution can be allowed to act as Chairperson/ Co-guide/ Member, student advisory committee, by mutual consent, primarily on the basis of intellectual input and time devoted for carrying out the research work at the particular institution. The proposed faculty member/scientist will have to meet the requirements of being accredited as per Part VI, Clause 2 above.

**2.5. Dean PGS Nominee:** Faculty member accredited for doctorate shall be nominated as nominee of the Dean PG in advisory committee of the doctorate or masters student, however faculty member accredited for masters can be nominated to be nominee of Dean PGS in advisory committee of the master's student only. For nomination the Dean PGS office will maintain the updated list of the faculty members who are accredited for Masters and Doctorate separately. Care should be taken, that Dean PGS nominee should not be from the major department. The Dean PGS nominee will monitor the activity of the advisory committee and progress of the student. He will submit report to the Dean PGS directly about the meetings/ activities of the advisory committee that the regulations are being followed in letter and spirit.

**3. Allotment of Students to the Retiring Persons:** A teacher likely to retire in less than two years will not be eligible for allotment of student for Masters student. Similarly, a teacher who is due to retire in less than 3 years will not be eligible for allotment of student for PhD degree programme.

**4. Allotment of Student to Teacher on Extra Ordinary Leave or Study Leave:** Teachers of the University who are on extra ordinary leave or on study leave for a period more than 3 months or who leave the University service will cease to continue to act as Advisors of the postgraduate students of the University.

**5. Change of Major Advisor:** An advisor once assigned to Master's /PhD student will normally be not changed. Where the need for the change of Advisor becomes necessary, either because the Advisor has retired or resigned and left or is on long leave or refuses to act as an advisor, or in any other circumstance where the Dean of the College on recommendations of the concerned HOD of the department is convinced or has reasons to believe that the change of Advisor has become imminent and inevitable, the Dean, PGS will change the Major Advisor, however, rest of the members of the Advisory Committee will remain the same. In all such cases, the circumstances under which such a change became unavoidable shall be recorded on file and intimated to the Dean, PGS.

**PART- VII**

**1. Advisory System**

a. Allotment of advisor: Head of the Departments shall be responsible for maintenance of academic standard in the Departments. Head of the Department will ensure that a major

advisor shall be assigned to each postgraduate student within 3 months after admission in consultation with the Academic Committee of the Department.

- b. Constitution of advisory committee: Besides there shall also be an Advisory Committee for each student which shall be approved by the Dean, PGS on the recommendations of Advisor through HOD and Dean of the college in the first semester of admission.

The Advisory Committee for both masters and doctorate students shall consist of minimum of four members.

- i) Two members from major subject, one of them will be the Major Advisor, who will also be the chairman of the committee. If two faculty members are not available in major subject or there is no faculty member who is accredited, one member may be co-opted from allied subject on recommendation of Advisor and HoD concerned.
- ii) One member from the minor field.
- iii) One member as nominee of Dean, PGS.

Moreover, the Dean, PGS may give approval to add one or two more members to the committee on the request of the Advisory Committee based on proper justifications.

- c. Function of Advisory Committee: The Advisory Committee shall guide the students in the choice of courses in major, minor and supporting field, with a view to enhance quality, usefulness and to avoid repetition of courses. To monitor the progress of student periodical meetings, preferably once every semester, of the Advisory Committee be held during the course of his/her study including research work. Proceedings of the meetings of the Advisory Committee shall be compulsorily sent to the office of the Dean PGS.
- d. Role of Dean PGS Nominee: The Dean, PGS nominee will monitor and ensure that all the rules and regulations as per the academic regulations are being followed. Moreover, he/she will submit independent detailed reports regularly (once every semester) to Dean PGS.
- e. No faculty member who does not fulfill the accreditation norms be neither nominated nor co-opted as advisory committee member.

### PART-VIII

#### 1. AWARD OF DEGREE AND THE RESIDENTIAL REQUIREMENTS

The minimum and maximum duration of residential requirement for Masters' and Doctorate Degree Programmes:

Duration of Residential Requirement		
Degree	Minimum	Maximum
Master's	2 Academic Years (4 Semesters)	5 Academic Years (10 Semesters)
PhD	3 Academic Years (6 Semesters)	7 Academic Years (14 Semesters)

In case a student fails to complete the degree programme within the maximum duration of residential requirement, his/ her admission shall stand cancelled. The semester(s) washed out on account of withdrawal, dropping by the student of his/her own, failure to register in time, medical grounds, use of unfair means or dropped for any other reason whatsoever may be the reason other than described above, shall be counted towards the maximum permissible time limit of semesters.

**Note:**

1. The residential requirement in the University shall include the stay at University and /or such other institutions/research stations with which the University has MOU.
2. If the student fails to complete his/her programme successfully within the maximum time limit prescribed for the programme as above, his/her enrollment in the university will automatically be cancelled.

### PART-IX

## 1. Programme of Study

- a) Head of the Department shall convene a meeting of all the faculty members of the department for allotment of courses during the ensuing semester. Details about the courses along with the names of teachers being offered during that semester will be communicated by Head of the Department to the Dean of the concerned college and Dean, PGS at least 15 days prior to the date of registration.
- b) A detailed programme of study giving the course requirement(s) of the students admitted to the Master's or PhD degree programme shall be prepared by the respective Advisor and the advisory committee and submitted by the advisors through the Head of Department and Dean of the concerned college to the Dean, PGS for approval at least two months before the commencement of second semester. The Dean, PGS shall approve the programme of studies within one month of the receipt of the programme of studies from the Advisor after suggesting such changes as he/she may deem necessary.
- c) The programme of study shall be prepared out of the approved courses and shall be devised so as to ensure the inclusion of the required core and other major, minor, supporting, common and other courses as prescribed by the department and approved by the Academic Council.

<b>1.1 Requirement of Credit Hours</b>	<b>Masters' Programme</b>	<b>Doctoral Programme</b>
<b>(i) Coursework</b>		
Major courses	20	12
Minor courses	08	06
Supporting courses	06	05
Common courses	05	–
Seminar	01	02
Personality Development Course	03	--
<b>(ii) Thesis Research/ Internship* (IDE)</b>	30	75
Total	73	100
<b>*IDEA: Internship for Development of Entrepreneurship. Applicable for only Masters students.</b>		

**1.2 Courses:** There shall be following types of courses in postgraduate studies. All courses for Masters programme will be of 600 series and for Doctorate programme will be of 700 series except common courses and supporting courses.

**1.2.1 Major courses:** Major courses will be from the discipline in which a student takes admission. The courses listed will be according to ICAR-BASMA recommendations 2021. The department will identify half the credit hours of courses listed for masters as core courses which every major student will have to study. However, the core courses should not be more than the upper limit of requirement of student, i.e., 20 credit hours. Similarly, department will also identify one fourth of credit hours of the courses listed for doctorate as core courses which every major student will have to study. Further, the core courses should not be more than the upper limit of requirement of student, i.e., 12 credit hours. Rest of the courses will be optional and student can choose according to his requirements or interest.

**1.2.2 Minor courses:** The student will choose one subject closely related to a student's major subject (As per the list of ICAR BASMA 2021). Minor courses may be taken from any discipline/ departments listed against major discipline limiting to credits prescribed as decided by the Chairman of Advisory Committee of the student. Minor courses may also be taken from the disciplines/ departments other than those listed above on the recommendations of advisory committee, if essentially required as per the research problem with the concurrence of Head of the Department and Concerned Authorities.

**1.2.3 Supporting Courses:** The subject 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. Following courses will be offered by various disciplines (The list is only indicative). Based on requirement, any of the following courses may be opted under supporting courses. The syllabi of these courses are available in respective disciplines. If required, the contents may be modified to suit the individual discipline with approval of the concerned BoS:

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
BCT 602	Biochemistry of biomolecules	2+0
BCT 604	Analytical techniques and instrumentation in biochemistry	1+1
BCT 607	Molecular Biochemistry	2+1

Departments may suggest and add some more supporting courses which shall be presented before Hon'ble Academic Council for approval

**1.2.4 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.

Code	Course Title	Credit Hours
PGS-501	Library and Information Services	0+1
PGS-502	Technical Writing and Communications Skills	0+1
PGS-503	Intellectual Property and its management in Agriculture	1+0
PGS-504	Basic Concepts in Laboratory Techniques	0+1
PGS-505	Agricultural Research, Research Ethics and Rural Development Programmes	1+0

**1.2.5 Personality Development Courses:** Each course will be of 0+1 credit hour to develop his/her personality and every Masters student will be required to take atleast three courses during his/her complete program. These courses will be offered to the students during off-hours. Following courses can be offered to the student

Code	Course Title	Credit Hours
PDC-501	Games and Sports	0+1
PDC-502	English and other foreign language	0+1
PDC-503	Social Activity	0+1
PDC-504	Literary and Cultural Activity	0+1
PDC-505	Fine Arts	0+1

The student will be graded as satisfactory or non-satisfactory in these courses. These courses will be optional for doctorate students

2. If a student has studied the equivalent course(s) in Master's degree programme from the same or any other University, then the matter may be discussed and some other alternate courses should be advised from the major/minor subjects by the Advisory Committee and the recommendations should be submitted to the Dean, PGS for exemption from studying such course(s) and approval of the programme of study.

3. For each postgraduate programme, the minor and supporting courses shall be identified by the department concerned and will be selected from the list as of minor subjects.

#### 4. Change/Withdrawal of Courses

The course once registered can be changed or withdrawn within ten days from the last day of registration. However, withdrawal without addition shall not be allowed if students are taking minimum credit load.

The Dean, PGS may permit a student to drop all courses on exceptional emergent conditions like ill health up to the last date for dropping courses on the recommendation of Advisor, Head of the Department and Dean of the College. In such cases, the students will withdraw from all courses and grade "W" will be recorded against each course.

#### 5. Change in the Programme of Study

No change in the programme of studies shall normally be permitted. However, under special circumstances, Dean, PGS may on the recommendation of the Advisory Committee and Head of the Department, for reasons to be specified, permit a change in the programme of study including synopsis.

Any course which a student registers apart from that approved in programme of study will be graded as Satisfactory/ Unsatisfactory.

If the student fails (due to any reason) or graded unsatisfactory in any course (whether part of programme of work or not), he /she will have to clear it before the degree is awarded and student will not be allowed to drop such course.

### PART-X

#### 1. MAXIMUM AND MINIMUM PERMISSIBLE CREDIT LOAD IN A SEMESTER

a. **Master's:** A student is permitted to register for a maximum course load equivalent of 20 credit hours which will include 18 credit courses and 2 common courses (non-credit) and minimum of 9 credit hours. Only one personality development course will be offered during each semester which will be over and above the maximum credit load of 20 credit hours. The maximum research credit permissible in a semester will be 18 however; the maximum credit permissible for IDE will be 30. The minimum limit will not apply in case the student is left with less than 9 credits to complete his degree requirements.

b. **PhD:** A student is permitted to register for a maximum course/research load of 18 credit hours and minimum of 9 credit hours. The maximum research credit permissible in a semester will be 18. However, the minimum limit will not apply in case the student is left with less than 9 credits to complete his degree requirements.

### PART-XI

#### A. EXAMINATION AND PREPARATION OF RESULTS

- 1 The examination shall be to assess whether the student has been able to achieve a level of competence. For academic assessment, evaluation of practical aspects of the curriculum should receive much greater emphasis leading to separate examinations.
- 2 At the end of semester, there will be an internal examination. The theory examination will be conducted by the Controller of Examinations (COE) and question papers for each course will be submitted by the Course In-charge through Head of the Department.
- 3 The theory question paper in internal examinations should be of 40 % objective and 60 % subjective and of three hours duration. The evaluation will be made on 10 point scale.

4 The practical examinations will be conducted in the concerned department by the Course In-charge and one more teacher to be nominated by Head of the Department.

**Note:** There shall be no make-up examination in lieu of any missed semester examination (theory or practical).

**5. Comprehensive Examination:** There shall be a comprehensive examination for Master and PhD students to be held on successful completion of at least 75 percent of the course work in major and minor subjects. The procedure of comprehensive examination is as under:

Attributes	Master's Programme	PhD Programme
Major Subjects	One paper	Two papers
Minor Subjects	One paper	One paper
Paper Setting	External	External
Evaluation	External	External
Qualifying Marks	60%	60%
Oral Examination	No	External
<b>Grading</b>	<b>Satisfactory/Unsatisfactory</b>	

**(a) Written Comprehensive Examination:** The written examination will be external and shall consist of theory papers from the major field and minor fields. The Head of the Department will submit a common panel of 7 examiners, not less than the rank of Associate Professors/Senior Scientist in each field to Controller of Examination, through Dean of the concerned college and Dean PGS before the end of second semester for all the registered students (Major and Minor). The Dean PGS may amend the panel as deemed appropriate. If no panel is received within stipulated time, Examination Committee can appoint the examiner on its own.

i. There will be one paper in major field and one paper in minor field for Master's students. The course for major comprehensive examination will be from the core courses declared by the department for major field. However, the course for minor comprehensive examination will be from the courses studied by the student in minor field.

ii. There will be two papers in major field and one paper in minor field for PhD programme. The course for major comprehensive examination will be from the complete major subject and not restricted to courses studied by the student or offered by the department. The departmental advisory committee will divide the whole subject in two portions and submit to Controller of examination within 3 months of implementation of these regulations. However, the course for minor comprehensive examination will be from the courses studied by the student in minor field.

iii. The question paper of written comprehensive examination shall be of 40 % objective and 60 % subjective and of three hours duration for major and minor subject.

iv. The process of written examination of both major and minor fields shall be completed by COE within two months after the start of second year (Third semester) of postgraduate programme. The answer books of major field and minor field of subjects will be sent to the respective appointed examiners for evaluation to be done within 15 days of the receipt.

v. To pass the comprehensive examination, the student has to secure 60% in each paper separately and the student will be graded satisfactory/ unsatisfactory.

vi. In case of unsatisfactory performance in any of the paper, the student have to appear in all the papers again both in Major and Minor subject, conducted only in subsequent semester and a new examiner will be appointed for the repeat exam from the panel submitted earlier.

vii. The student has to pass in all the examinations (semester/ comprehensive) before his/ her thesis is submitted.

**(b) Oral Comprehensive Examination:** After satisfactory completion of the written comprehensive examination, oral examination of the student will be conducted by the External Examiner along with other members of the Advisory Committee for PhD. The

result of the external oral examination will be submitted through Head of the Department to the COE and it will be marked as satisfactory/ unsatisfactory. In case of unsatisfactory performance, the student will have to appear in the repeat oral examination conducted only after a lapse of at least two months and a new examiner will be appointed for Re-oral examination from the panel submitted earlier. No oral comprehensive examination will be conducted for Master's programme and minor subject of PhD.

**6. Evaluation of Answer sheets/Books of Semester Examination:** The answer sheets /books shall be evaluated by the internal examiners. The internal examiner(s) will evaluate the answer books and the marked answer books will be shown to the concerned student. The marks obtained in the theory and practical will be entered in the prescribed mark-sheets and it will be ensured that the result reaches to the COE within seven days from the date of examination through Head of the Department.

7. The grades/marks obtained in theory and practical semester examinations will be entered separately in the transcript of the students against each course.

**8. Evaluation of Research Credits:** Every student will be evaluated for the research work done by the student. The advisor will submit the result of research credits taken by the student in a semester. The evaluation will be in form of satisfactory/ unsatisfactory for the hours of research work (including but not limited to library consultation/ synopsis writing/field / laboratory) carried out by the student for completing the thesis.

**9. Pass Percentage**

- i. Minimum marks to get through in a course is 60% separately, in theory and practical examinations, failing which a student has to repeat the course in subsequent semester(s).
- ii. There will be no provision of any grace marks even if a student fails by any marks.

**10. Remuneration for Examination**

As per university rules (For external examiners only)

**11. Grading**

The grade point for the course will be calculated on "Ten Point Scale".

- i. The percentage of marks earned in theory and practical components will be divided by 10.00 to generate 'grade'.
- ii. The grade will be then multiplied by credits of theory and practical respectively.
- iii. The sum total of the credit points earned in theory and /or practical divided by the credit hours of the course and expressed as grade points of the course.
- iv. The sum total of the grade points earned in a semester divided by the total credit hours offered (excluding non-credit courses) in the semester will be the semester grade point average (SGPA) of the semester.
- v. The sum total of the grade points earned in all the courses divided by the total credit hours offered (excluding non-credit courses) in the entire degree will be the Overall grade point average (OGPA) of the student.
- vi. The OGPA will be multiplied by 10, to express it in percentage.

**12. Division and Honours**

Division	CGPA / OGPA
Second division	6.000 - 6.999
First division	7.000 - 7.999
First division with distinction	8.000 and above

**13. Preparation of Results**

- a. Tabulation of the results shall be done from the award list of the examiners by the office of the COE.
- b. Tabulation work should be completed within five days from last date of the receipt of last award list from the examiners.

**14. Declaration of Results**

The office of COE will do the collation of the results and declare the semester results before the commencement of next semester. The student has to secure a minimum semester GPA of 6.000 or more, to be declared pass in the semester. However, he will be repeating only the courses in subsequent semesters in which he has failed.

#### **15. Transcript / Mark Sheet**

All the marks/grades obtained in theory and practical examination(s) will be entered in the computer and hard copy will be maintained in the office of the COE separately and the Grade sheets/ Transcripts of the students will be prepared by the office of COE.

At the end of each semester, the COE will issue the semester report card to all the students with a copy of the same to the advisor of the student(s) and Dean PGS while the Composite Academic Transcript will be issued on the completion of degree programme of the student.

#### **16. Re-totaling/ Scrutiny/ Re-evaluation**

Since, the answer books of semester examinations are shown to the student before the results are submitted, hence

- (a) No re-totaling or scrutiny of marked answer books is allowed in any semester examinations
- (b) No re-evaluation of marked answer books is allowed in any semester examinations.
- (c) In comprehensive examination, scrutiny of answer books will be allowed, which will be limited to re-totaling of marks and checking for any unchecked or unmarked portion of the answer book. For this the student will have to submit an application to Dean PGS alongwith prescribed fees within one week of the declaration of the result. Dean PGS will constitute a scrutiny committee of three teachers (including CoE/Dy CoE) within one week. The scrutiny committee will submit the report to Examination committee. The decision of the Examination committee will be communicated to Dean PGS for information of the student.

### **PART-XII**

#### **1. INITIATION OF RESEARCH WORK**

- (a) A postgraduate student shall submit his/her proposed synopsis to Dean, PGS through Major Advisor/ Head of the Department in the second semester after presenting a synopsis seminar. Major advisor will ensure that it should be got approved from Dean, PGS preferably before the start of examination of 2<sup>nd</sup> semester of the admission. The time between synopsis and thesis submission shall be two semesters for Master Programme and four semesters for PhD programme

While preparing the synopsis of the student, the department should fix priorities in advance in tune with overall research priorities/ mandates decided for the department at university level. Within these, the research problems of individual student be finalized by a committee consisting of major advisor and Head of the Department along with Advisory committee of the student. Head of the Department will ensure that the research of postgraduate students is a part of ongoing research/ priority area, if any and there is no duplication in the proposed research work. The student should also be associated in this exercise and shall deliver synopsis seminar.

Normally no change in approved synopsis is allowed. However, change in synopsis due to specific reason, duly recommended by Advisory committee, HoD and approved by the Dean PGS may be allowed on case to case basis.

- (b) The Advisor and HOD should also certify that approval of IAEC/CCSEA have been taken for conducting the experiment, wherever applicable.
- (c) **Thesis Writing:** Before a student can be permitted to start writing thesis, following requirements must be fulfilled.
  - i. The student shall deliver a Pre-thesis submission seminar presenting all the data

collected by him/her and analysis of such data.

- ii. The reliability and authenticity of experimental results of thesis project shall be exclusive responsibility of the student and the Major Advisor.
- iii. The advisory committee should approve quantum and quality of the research work done by the student.

The Head of the Department shall in no case withhold the draft of thesis but can send his/her comments, if any, while forwarding the thesis to the Dean, PGS.

**(d) Approval of the Thesis Draft**

The draft of the thesis shall be submitted to the members of the advisory committee for their approval at least two weeks before the last date for the submission of the thesis to the Dean, PGS. The Dean, PGS will accept the thesis only when it is accompanied by a certificate of approval in prescribed forms signed by all the members of the advisory committee and a “No Objection Certificate” from the concerned Head of the Department.

**(e) Submission of the Draft Thesis**

- i) The time gap between synopsis and draft thesis submission shall be two semesters for Master’s Programme and four semesters for PhD programme.
- ii) MVSc and PhD students can submit the thesis only after 75 days of registration in the last semester of residential requirement (IV semester for MVSc/MSc and VI semester for PhD).
- iii) The comprehensive examination should have been passed at least six months before the submission of thesis in case of PhD students and three months for Master’s Degree programme.
- iv) A student can submit his/her thesis before 75 days of registration in a semester if he or she has registered for less than 9 credit hours.
- v) The student cannot submit thesis in a semester in which he is registered for course work unless the result is declared.
- vi) The result of thesis research work credit hours (if offered) must accompany the draft thesis submitted to Dean PGS in the last semester of registration.
- vii) There should be minimum gap of 7 and 15 days for M.V.Sc. and PhD, respectively between Pre-thesis seminar and the thesis submission.

The student of Masters shall be required to submit 2 copies of the draft thesis while doctorate student will submit three copies of the draft thesis.

Master’s students will write and submit one research paper on their research work in Journal having minimum NAAS rating of 4 out of thesis work before their final viva-voce examination.

In case of PhD students, two research papers should have been submitted in Journal having minimum NAAS rating of 4 out of thesis work before their final viva-voce examination.

The research papers published out of research work shall have student as first author and Major advisor as second author. The papers published should have the name of Department/College /University alongwith the name of sister institute if the work has been carried out there. The copyright of the thesis and/ or any publication will rest with University.

The final hard bound thesis will be submitted in four copies, one each for the University Library, Departmental Library, Major Advisor and the student along with a soft copy for the Library. In case of fellowship holders, one additional copy for the financing agency concerned, should also be submitted.

**2. INTERNSHIP FOR DEVELOPMENT OF ENTREPRENEURSHIP (IDE)**

For promoting entrepreneurship skills of students who could start their own enterprise or have adequate skills to join the industry, internship programme may be offered to the student in place of research work. The internship/ in-plant training/ industrial training would be held at

relevant industry/ area.

a) A student who opts for IDE 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 IDE training 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 IDEA will be taken into consideration:

a. Advisory committee will propose the training which will be approved by Dean PGS on recommendations of the Head of the Department concerned.

b. Major Advisor will be from University and Co-advisor (or Advisory Committee member) from industry

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 students who have undergone IDE

### **PART-XIII**

#### **1. Appointment of External Examiners for Thesis/Dissertation Evaluation and Viva-Voce Examination**

The Examination Committee shall appoint an examiner as per the University Act in the following manner:

a) The Advisor/HOD shall submit a panel of at least five examiners not below the rank of Associate Professor / Senior Scientist or equivalent for Master's thesis while a panel of seven examiners for PhD thesis for being appointed as examiner(s) for evaluation of thesis through Head of the Department and Dean, PGS to COE. The examiner must have teaching/ research experience as per the regulation of PG/PhD advisorship. A maximum of two submitted thesis of a subject can be sent to one Examiner.

b) Where the number of students to be examined in any field of specialization is more than two, an additional panel of examiners may be submitted.

c) Panel of examiners for the thesis evaluation shall be submitted by the Advisor through HOD and Dean, PGS to the COE preferably one month before the submission of draft thesis for seeking concurrence from the examiner before sending thesis.

d) No person should be appointed as examiner for more than one year consecutively. After a break of a year or more the same person shall, however, be eligible for re-appointment.

e) The Advisor will act as the internal examiner and chairman of advisory committee.

f) While asking the consent of the examiners for evaluating the thesis, it shall also be indicated to them that the thesis for a Master's degree has to be evaluated within 15 days and the thesis for a PhD degree has to be evaluated within 30 days and in case the evaluation of the thesis is provided earlier then final viva-voce examination shall not be conducted before 15 days have elapsed from the date of the dispatch of the thesis by the office of the COE.

g) Master's thesis shall be sent to one external examiner for evaluation and PhD thesis shall be sent to two external examiners for evaluation.

#### **2. Evaluation of Thesis**

a) The HoD will forward the thesis to Dean PGS, alongwith all the relevant documents

b) Thereafter, the draft thesis should be forwarded by the Dean PGS to CoE after ensuring that the student has completed all the prerequisites including course work, synopsis

approval, comprehensive examination, research credit hours, plagiarism check etc. The date of thesis submission will be on which the thesis is received in Dean PGS Office. This date will be communicated to CoE by Dean PGS.

- c) The draft thesis shall be dispatched to the external examiner(s) by registered post within one week of its submission to COE.
- d) (i) The external examiner(s) will submit a report in the prescribed proforma (as per Annexure XIII) commenting on the thesis and indicating whether examiner recommends its acceptance or rejection. If the examiner recommends acceptance, then the final viva-voce examination of Master's or PhD students shall be conducted only after a minimum period of 15 days after dispatch of thesis to external examiner(s).  
(ii) If the external examiner rejects the thesis, the evaluation report shall be placed before the advisory committee and Head of the Department for a decision. If the advisory committee along with the Head of the Department accepts the recommendations, then the thesis will be rejected and student will have to re-write and re-submit the thesis. The same procedure will be adopted for resubmitted thesis. If the advisory committee along with the Head of the Department does not agree with the report of the external examiner(s), then the thesis shall be re-examined by another external examiner whose decision will be final.
- e) (i) Final viva-voce examination shall be conducted by the advisory committee along with Head of the Department concerned and the external examiner for Master's student.  
(ii) In case, the major advisor/ member is absent due to some unavoidable circumstances with valid reasons on the day of viva-voce examination, the Dean, PGS may appoint internal examiner/ chairman or the member from the subject/ allied field to conduct viva-voce examination.  
(iii) In case of PhD students, after receiving the thesis evaluation reports from both the external examiners, the final viva-voce examination shall be conducted by the one of the two external examiners appointed by examination committee and advisory committee along with the Head of the Department.
- f) If the two examiners appointed for evaluation of PhD thesis submit contradictory reports then the thesis will be sent to third examiner appointed from the panel of examiners by examination committee for evaluation whose report will be final.

### **3. Declaration of Result**

Final result of the Master's/PhD students will be declared by the COE within seven days of the conduct of viva-voce Examination after obtaining the "No Dues Certificate" duly signed by all concern, including Head of the Department, Dean Student Welfare (DSW) and Librarian etc.

### **4. Character Certificate**

After the completion of postgraduate degree programme, Dean, PGS will issue the Character Certificate to the concerned student on the recommendation of the Advisor and the Head of the Department.

## **PART-XIV**

### **MID EXIT and MID RE-ENTRY OPTIONS**

- A.** There will be provision of mid programme exit option for the students of master's programme which will be governed by following regulations:
- i) Any student can withdraw at the end of any semester of study due to any of the personal reason (Including financial/medical/familial). For this he/she has to submit an application 15 days before the advent of next semester.
- ii) Dean PGS on the recommendations of the advisor and concerned Head of the Department will take appropriate decision before the beginning of next semester.
- iii) However, mere late application does not debar the student from availing this opportunity,

but the application should be before the advent of next semester and give sufficient opportunity for decision over it.

Such students if do not wish to complete their degree programme can be given option of Award of Post Graduate Diploma (In his/her major subject). For Award of Post Graduate Diploma the candidate must meet following requirements:

- a. He/She has spent at least 2 semesters and has passed all the core courses for major subject.
- b. He/She does not have any backlog in any course (Including Major/ Minor/ Supporting/ Common/Personality development/ Research) which he/ she registered during the study.
- c. He/She has not registered for the subsequent semester
- d. He/ She will have to clear all dues.
- e. No disciplinary action has been taken nor any disciplinary proceedings (Including unfair-means in examination) are under consideration on the day of decision.

For award of Post Graduate Diploma, he will have to submit an application alongwith the requisite fees.

The Dean PGS will take a decision after proper verification from HoD, Dean of the College concerned, DSW and COE that the student meets the eligibility of PG Diploma; will place an office order, intimating the HoD, CoE, DSW, Dean of the College and Registrar.

PG Diploma will be issued by the Registrar while transcript will be issued by CoE. The transcript will exhibit result of all the courses (All that he has been offered and passed)

**B.** There will provision of mid programme re-entry option for the students which will be governed by following regulations:

- i) Any student willing to re-enter Masters programme has to submit an application 15 days before the advent of next semester. He has to submit the original diploma certificate and transcript alongwith an undertaking that he will not be utilizing the diploma certificate for any further purposes. Without submission of original diploma certificate and transcript, his/her application will not be entertained.
- ii) Dean PGS on the recommendations of the advisor and concerned Head of the Department will take appropriate decision before the beginning of next semester.
- iii) However, mere late application does not debar the student from availing this opportunity, but the application should be before the advent of next semester and give sufficient opportunity for decision over it.
- iv) The total duration of degree shall not have elapsed including the period already spent, dropped duration and period expected to be spent on completion of degree.
- v) Once permitted he will be following all the regulations as per the Master's degree programme.
- vi) The semesters missed due to mid-exit will be exhibited as W (Withdrawn) in transcript issued at the end of the degree.

The Dean PGS will take a decision after proper verification from HoD, Dean of the College concerned, DSW and COE, that the student meets the eligibility for re-entry, will place an office order, intimating the HoD, CoE, DSW, Finance Officer, Dean of the College and Registrar. The student will deposit fees and other dues for the semester.

## PART-XV

### Formats enclosed

<b>S. No.</b>	<b>Performa</b>	<b>Performa No.</b>
1.	Format of Registration Form	<b>PGS-I</b>
2.	Format of Formation of Advisory Committee	<b>PGS-II</b>
3.	Format of Program of Work for Postgraduate Studies	<b>PGS-III</b>
4.	Format of Title Page of Synopsis	<b>PGS-IV</b>
5.	Format of Inside Cover Page of Synopsis	<b>PGS-V</b>
6.	Format of Synopsis	<b>PGS-VI</b>
7.	Format of Postgraduate Thesis	<b>PGS-VII</b>
8.	Format of Title Page of Thesis	<b>PGSVIII</b>
9.	Format of Certificate of Adviser	<b>PGS-IX</b>
10.	Format of Certificate of Advisory Committee	<b>PGS-X</b>
11.	Format of Certificate of Head of the Department	<b>PGS-XI</b>
12.	Format of Sending Panel of Examiners	<b>PGS-XII</b>
13.	Format of Thesis Evaluation Report	<b>PGS-XIII</b>
14.	Format of Viva-Voce Report	<b>PGS-XIV</b>
15.	Format of Undertaking of Copy Right by Student	<b>PGS-XV</b>



**(Format of Formation of Advisory Committee)**

**PANEL OF ADVISORY COMMITTEE**

1. Name of the student..... Enrol. No.....
2. Programme: M.V.Sc./M.Sc./M.Tech./ M.F.Sc./Ph.D.....
3. Name of the College:.....
4. Department:.....
5. Details of Advisory Committee:

S. No.	Name & Designation	Status	Department
1.			
2.			
3.			
4.			
5.			

**N.B.:** A maximum of four members for Master’s and five members for PhD inclusive of Major Advisor.

**Name and Signature  
Major Advisor**

Date: .....

This is to certify that the meeting of departmental academic committee has taken place on ..... and Dr..... has been allotted as advisor. It is to further certify that eligibility and rotation system has been followed for allotment of Advisor. Hence, Advisory committee is recommended and forwarded, in duplicate, to the Dean, .....

**Head of Department**

Dated.....

Recommended and forwarded, in duplicate, to the Dean, PGS

**Dean of the College**

The above Advisory committee is approved.

**Dean, PGS**

Dated:.....



**Previous postgraduate training, if any, for the major and minor fields**

<b>Courses or subjects taken</b>	<b>Course No.</b>	<b>Credits or hours spent</b>	<b>Grade</b>

**Course to be completed by the student to meet postgraduate requirement**

<b>Course type</b>	<b>Course No.</b>	<b>Title of Course</b>	<b>Credits</b>
<b>i) Major subject</b>	1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
<b>Total credit (major subject)</b>			
<b>ii) Minor subject</b>	1		
	2		
	3		
	4		
	5		
<b>Total credit (minor subject)</b>			
<b>iii) Supporting/Elective subject</b>	1		
	2		
	3		
<b>Total credit (Supporting/elective subject)</b>			
<b>iv) Non-credit course</b>	1		
	2		
	3		
<b>Total of Non-credit course</b>			
<b>Total (i+ii+iii+iv)</b>			

## ADVISORY COMMITTEE

S. No.	Name	Status	Department	Signature
1				
2				
3				
4				

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Forwarded **(6 copies)** to the Dean, Postgraduate Studies for approval

Head of Department

Dean of the College

APPROVED

Date:

Dean, Postgraduate Studies

**(Format of Title Page of Synopsis)**

**(Title of thesis; Arial, font size 14, line spacing 1.5, centre text)**

**(University logo)**

**Synopsis**

**For**

**(M.V.Sc./M.Sc./M.Tech./ M.F.Sc./Ph.D.)**

**In**

**(Name of the subject; Arial, font size 12, line spacing 1.5, centre text)**

**Submitted by**

**(Name of student; Arial, font size 14, line spacing 1.5, centre text)**

**Enrolment No.....**

**To**

**U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan**

**Vishwavidyalaya evam Go-Anusandhan Sansthan,**

**Mathura-281001 (UP)**

**(Year; Arial, font size 14, line spacing 1.5, centre text)**

**(Format of Inside Cover Page of Synopsis)**

**Name of the Student:** .....  
**Enrolment No.:** .....  
**Academic Session:** .....  
**Department:** .....  
**Degree:** .....  
**Major Course:** .....  
**Minor Course:** .....  
**Title of Thesis:** .....

**Date:** .....

**Signature of the Student:** .....

**Advisory Committee**

S. No.	Name	Status	Signature
1.		<b>Chairman</b>	
2.		Member	
3.		Member	
4.		Member	
5.		Member	

Certified that the synopsis of the student has been formulated and finalized in accordance with PG Academic regulations- 2016 of the University.

**Signature of Head of Department**

**Signature of Dean**

Date: .....

Date: .....

**Signature of Dean, PGS**

Date: .....

**[Format of Synopsis]**

**1. Introduction**

**2. Objectives**

**3. Review of literature**

**4. Technical programme**

**5. References**

## Format and Reference Pattern for Synopsis

Synopsis should be written in times new roman, font size 12, line spacing 1.5, **heading/subheading in bold**, every page should be numbered in Arabic (1,2,3,...) continuously at centred bottom except reference section, reference section should be numbered by small roman numerals (i, ii, iii,...).

**Reference Citations in the Text:** Following pattern should be followed while citing reference in text.

- i. In the text refer to the author's name (without initial) and year of publication (Singh, 2016).
- ii. If reference is made in the text to a publication written by two authors: Hunt, 1988; Haddad, 2000.
- iii. If reference is made in the text to a publication written by three or more than three authors: Kumar et al. (2015) or (Kumar et al., 2016).
- iv. Publications by the same author(s) in the same year: (Koriat, 2008a & b).
- v. The name of the student followed by year of thesis submission should be used if reference is made in the text from thesis (dissertation), (Singh, 2016).
- vi. For web references as a minimum, the full URL should be given (<http://www.lawnmowerworld.co.uk/Rich.htm>).

**Reference List:** References should be arranged first alphabetically and then further sorted chronologically if necessary and following pattern should be followed:

- i. Reference to a journal publication: Zade S, Mani V, Deka RS, Kumar V, Kaur H, Kewalramani NJ, Tyagi AK. 2014. Energy metabolites, lipid variables and lactation performance of periparturient Murrah buffaloes (*Bubalus bubalis*) fed on diet supplemented with inorganic chromium. *Biological Trace Element Research*, 159:115–127.
- ii. Reference to a journal publication having more than 10 authors: Singh Y, Lathwal SS, Chakrabarty AK, et al. 2011. Effect of lameness (hoof disorders) on productivity of Karan Fries crossbred cows. *Animal Science Journal*, 82:169–74.
- iii. More than one reference from the same author(s) in the same year must be identified by the letters 'a', 'b', 'c', etc., placed after the year of publication:
  - a. Koriat A. 2008a. Easy comes, easy goes? The link between learning and remembering and its exploitation in metacognition. *Memory and Cognition*, 36:416–428.
  - b. Koriat A. 2008b. Subjective confidence in one's answers: The consensuality principle. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 34:945–959.
- iv. Article by DOI: Slifka MK, Whitton JL. 2000. Clinical implications of dysregulated cytokine production. *Journal of Molecular Medicine*, doi:10.1007/s001090000086.
- v. Abstract: Zhuoga X, Wilkins JF, Friend MA, Piltz JW. 2016. Effect of supplementing barley straw with lucerne silage or cottonseed meal on diet digestibility and growth rate of steers. *Animal Feed Science and Technology*, 218:84-92 (Abstract).
- vi. Book: South J, Blass B. 2001. *The future of modern genomics*. Blackwell, London.
- vii. Book chapter: Brown B, Aaron M. 2001. The politics of nature. In: Smith J (ed) *The rise of modern genomics*, 3rd edn. Wiley, New York, pp 230-257.
- viii. Thesis (Dissertation): Singh S. 2016. Effect of feeding biomethanated spent wash on growth and nutrient utilization in growing cattle. MVS thesis submitted to U. P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura (Uttar Pradesh), India.
- ix. Conference proceeding: Neveux S, Oostra J, de Passille AM, Rushen J. 2003. Validating on-farm tools for their ability to detect lameness in dairy cows. In *Proceedings of 37th International Congress of the International Society for Applied Ethology*, Abano Terme, Italy, pp 129.
- x. References concerning unpublished data and "personal communications" should not be cited in the reference list but may be mentioned in the text.
- xi. Online document: FDA. 2001. Effect of the use of antimicrobials in food producing animals on pathogen load (Available: <http://www.fda.gov/cvm/antimicrobial/PathRpt.PDF>; Accessed 14 December 2001).

**(Format of Postgraduate Thesis)****(To be inserted in the following order)**

<b>Sequence</b>	<b>Item</b>
1.	Title Page/ Cover Page
2.	Certificate by Advisor
3.	Certificate of Advisory Committee
4.	Certificate of HOD for using Correct Format
5.	Viva- Voce Report by Advisory Committee and External Examiner
6.	List of Abbreviations
7.	Acknowledgements (1 to 2 Pages)
8.	Contents
9.	Abstract (1 page)
10.	Introduction (having objective(s) at the end)
11.	Review of Literature
12.	Materials and Methods
13.	Results
14.	Discussion
15.	Summary and Conclusions (Maximum 4 pages)
16.	Bibliography
17.	CV of the Student (1 page)
18.	Undertaking of Copy Right

**Note: The binding angle of thesis should have -**

>Name of degree

>Year

>Subject

>Name of candidate

## (Format of Postgraduate Thesis)

(Enclosure of PGS-VII)

Sr. No.	Attributes	Description
1.	<b>Number of Copies</b>	<b>Four</b> (one each for library, major advisor, HOD and student). In case of fellowship holder, one additional copy to the financing agency. One CD to library.
2.	<b>Format</b>	Printed both sides on A4 page (normal margin), times new roman, 12 font size, 1.5 line spacing, <b>heading/subheading in bold</b> , every page should be numbered in Arabic continuously at centred bottom starting from introduction upto summary and conclusion. Title page/Cover Page, Certificate by Advisor, Certificate of Advisory Committee, Certificate of HOD, Viva-Voce Report by Advisory Committee and External Examiner should be printed on one side and not numbered.
3.	<b>Margin</b>	One inch top and bottom, 1.25 inch left and right.
4.	<b>References, Bibliography &amp; Appendices</b>	<p>Times new roman, 12 font size, 1.5 line spacing, should be numbered by small letter roman numerals at centred bottom</p> <p><b>Reference Citations in the Text:</b> Following pattern should be followed while citing reference in text:</p> <ol style="list-style-type: none"> <li>i. One author: Singh (2016) or (Singh, 2016).</li> <li>ii. Two authors: Hunt (1988) and Haddad (2000) or (Hunt, 1988; Haddad, 2000).</li> <li>iii. Three or more than three authors: Kumar et al. (2015) or (Kumar et al., 2016).</li> <li>iv. Publications by the same author(s) in the same year: Koriat (2008a &amp; b) or (Koriat, 2008a &amp; b).</li> <li>v. Thesis/Dissertation; lead research worker followed by year of thesis submission: Singh (2016) or (Singh, 2016).</li> <li>vi. Web references; full URL should be given (<a href="http://www.lawnmowerworld.co.uk/Rich.htm">http://www.lawnmowerworld.co.uk/Rich.htm</a>).</li> </ol> <p><b>Reference List:</b> <i>References should be arranged first alphabetically followed by chronologically, if necessary.</i></p> <ol style="list-style-type: none"> <li>i. Journal publication: Zade S, Mani V, Deka RS, Kumar V, Kaur H, Kewalramani NJ, Tyagi AK. 2014. Energy metabolites, lipid variables and lactation performance of periparturient Murrah buffaloes (<i>Bubalus bubalis</i>) fed on diet supplemented with inorganic chromium. <i>Biological Trace Element Research</i>, 159:115–127.</li> <li>ii. Journal publication having more than 10 authors: Singh Y, Lathwal SS, Chakrabarty AK, et al. 2011. Effect of lameness (hoof disorders) on productivity of Karan Fries crossbred cows. <i>Animal Science Journal</i>, 82:169–74.</li> <li>iii. More than one reference from the same author(s) in the same year must be identified by the letters 'a', 'b', 'c', etc., placed after the year of publication:             <ol style="list-style-type: none"> <li>c. Koriat A. 2008a. Easy comes, easy goes? The link between learning and remembering and its exploitation in metacognition. <i>Memory and Cognition</i>, 36:416–428.</li> <li>d. Koriat A. 2008b. Subjective confidence in one's answers: The consensuality principle. <i>Journal of Experimental Psychology: Learning, Memory, and Cognition</i>, 34:945–959.</li> </ol> </li> <li>iv. Article by DOI: Slifka MK, Whitton JL. 2000. Clinical implications of dysregulated cytokine production. <i>Journal of Molecular Medicine</i>, doi:10.1007/s001090000086.</li> </ol>

	<p>v. Abstract: Zhuoga X, Wilkins JF, Friend MA, Piltz JW. 2016. Effect of supplementing barley straw with lucerne silage or cottonseed meal on diet digestibility and growth rate of steers. <i>Animal Feed Science and Technology</i>, 218:84-92 (Abstract).</p> <p>vi. Book: South J, Blass B. 2001. <i>The future of modern genomics</i>. Blackwell, London.</p> <p>vii. Book chapter: Brown B, Aaron M. 2001. The politics of nature. In: Smith J (ed) <i>The rise of modern genomics</i>, 3rd edn. Wiley, New York, pp 230-257.</p> <p>viii. Thesis (Dissertation): Singh S. 2016. Effect of feeding biomethanated spent wash on growth and nutrient utilization in growing cattle. MVSc thesis submitted to U. P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura (Uttar Pradesh), India.</p> <p>ix. Conference proceeding: Neveux S, Oostra J, de Passille AM, Rushen J. 2003. Validating on-farm tools for their ability to detect lameness in dairy cows. In <i>Proceedings of 37th International Congress of the International Society for Applied Ethology</i>, Abano Terme, Italy, pp 129.</p> <p>x. Online document: FDA. 2001. Effect of the use of antimicrobials in food producing animals on pathogen load (Available: <a href="http://www.fda.gov/cvm/antimicrobial/PathRpt.PDF">http://www.fda.gov/cvm/antimicrobial/PathRpt.PDF</a>; Accessed 14 December 2001).</p> <p>xi. References concerning unpublished data and "personal communications" should not be cited in the reference list but may be mentioned in the text.</p>
<p><b>5. Photographs, Graphs and Tables</b></p>	<p>As far as possible photographs, figure/graphs and tables must be adjusted in between the running text. Photographs, graphs and tables should be numbered by using Arabic numbers starting (Photograph 1/Figure 1/Table 1). Times new roman, 12 font size, 1.5 line spacing.</p>
<p><b>6. Chapter Page</b></p>	<p>Chapter page before each chapter, Arial black font, 48 font size.</p>

**Material Needed during Submission of Rough Bound Thesis**

S. No.	Material	Number of Copies	
		M.V.Sc./M.Sc./M.Tech./ M.F.Sc.	Ph.D.
1.	Rough bound thesis	2	3
2.	Synopsis	2	2
3.	Summary and conclusion and abstract	4	4
4.	Attendance sheet	1	1
5.	Plagiarism Check Certificate	1	1

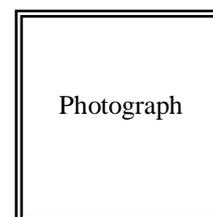
**Material Needed during Submission of Final Thesis**

S. No.	Material	Number of Copies	
		M.V.Sc./M.Sc./ M.Tech./M.F.Sc.	Ph.D.
1.	Hard bound thesis	1	1
2.	Compact disc (CD)*	3	3
3.	Viva-voce report	2	2
4.	Attendance sheet	1	1
5.	Thesis evaluation report	1	1
6.	Research paper along with submission proof	1	2
7.	No dues certificate	1	1

\* CD must contains all thesis contents in single PDF (including signed certificates, reports, acknowledgements, CV of the student and undertaking of copy right)

## Format of CV of Student

1. Name :
2. Date of Birth :
3. Place of Birth :
4. Mother's Name :
5. Father's Name :
6. Permanent Address (with pin code) :
7. Telephone/Mobile :
8. E-mail :
9. Academic Qualifications :



Degree	University/Board	Year of Passing	Percentage/OGPA of Marks	Subjects

10. Number of Seminar/Conference/Workshop/Training attended :
11. Medals/Honours/Fellowships Received :
12. List of Publications (related to thesis work only) :

**Date:**

**Place:**

**Signature**

**(Format of Title Page of Thesis)**

**Title of the Thesis**



**THESIS SUBMITTED FOR PARTIAL FULFILMENT OF THE REQUIREMENT  
FOR THE DEGREE**

**OF**

**(NAME OF THE DEGREE)**

**IN**

**(NAME OF THE SUBJECT)**

**BY**

**(NAME OF THE STUDENT)**

**Enrolment No.....**

**(NAME OF THE COLLEGE)**

**U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan**

**Vishwavidyalaya Evam Go-Anusandhan Sansthan**

**Mathura-281001(UP)**

**(Year)**

**(Format of Certificate of Advisor)****CERTIFICATE**

This is to certify that the thesis entitled “ .....” submitted by ....., Enrollment No. ....in partial fulfillment of the requirements for the award of the..... (Name of Degree)..... in .....(Name of Subject) of the **U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura (UP)**, India, is a bonafide research work carried out by him/ her under my supervision and guidance and no part of the thesis has been submitted for any other degree or diploma.

Dated:.....

(.....)  
**Major Advisor and Chairman**  
 Designation  
 Name of Department

**(Format of Certificate of Advisory Committee)****CERTIFICATE**

It is certified that the thesis entitled “.....” submitted by **Dr/Mr/Miss/Km.....**, **Enrolment No.....** in partial fulfillment of **(Name of the Degree)** Degree in the **(Subject)** at **(Name of the College)**, embodies the original work done by the candidate himself. The candidate has carried out his work sincerely and methodically.

We have carefully gone through the contents of the thesis and are fully satisfied with the work carried out by the candidate, which being presented by him for the award of the Degree of this University.

It is further certified that candidate has completed all the prescribed requirements governing the award of the degree of..... **(Name of College).....**

**MEMBERS OF STUDENT'S ADVISORY COMMITTEE**

<b>S. No.</b>	<b>Name</b>	<b>Status</b>	<b>Signature</b>
1.		<b>Chairman</b>	
2.		Member	
3.		Member	
4.		Member	
5.		Member	

**(Signature)**  
**HOD**

**(Signature)**  
**Chairman (Advisor)**

Date:.....

Date:.....

**(Format of Certificate of HOD)**

**CERTIFICATE**

It is certified that the thesis submitted by Sri/Km .....Enrolment No. ...., a Master's/ PhD student of this department has been checked and found as per specifications of the format mentioned in the PG Academic Regulation-2016.

**Head of Department**

**(Format of Sending Panel of Examiners)**  
**PANEL OF EXAMINERS FOR COMPREHENSIVE EXAMINATION/THESIS**  
**EVALUATION/ VIVA VOCE EXAMINATION**

1. Name of the student..... Enrol. No. ....
2. Programme: M.V.Sc./M.Sc./M.Tech./ M.F.Sc./Ph.D.....
3. Name of examination: Comprehensive Examination/Thesis Evaluation/ Viva-Voce
4. Department.....
5. Name of the College.....
6. Name and Addresses of the External Examiners Proposed:

S. No.	Name & Designation	Contact Address	Phone No./ E-mail
1.			
2.			
3.			
4.			
5.			
6.			
7.			

N.B. – Five examiners for Master’s and seven examiners for PhD for thesis evaluation and seven examiners for comprehensive examination (M.V.Sc./M.Sc./M.Tech./ M.F.Sc./Ph.D.) to be listed.

**Name and Signature of Major Advisor**

Date: .....

Recommended and forwarded, in duplicate, to the Dean, PGS.

**Head of Department**

Dated:.....

Approval of panel of examiners by Dean, PGS.....

From the above panel, the examiners at Sr. No.....are appointed in preferential order.

**Examination Committee**

Dated:.....

**(Format of Thesis Evaluation result submission by External Examiner)**

**UP Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go Anusandhan Sansthan, Mathura**

**Thesis Evaluation Report**

1. Thesis Title:.....
2. Year:.....
3. Name of the Candidate:..... Enrol No. ....
4. Name of the Degree Programme: **M.V.Sc./M.Sc./M.Tech./ M.F.Sc./Ph.D.....**

<b>5.</b>	<b>Criteria for evaluation</b>	
(Following are the guidelines for evaluation. Where ever necessary, additional sheet may be used for writing additional comments)		
<b>5.1</b>	<b>Research Problem:</b>	<b>Comments</b>
	If it is well articulated with precise and clearly stated objectives; scientific/ technological/ economic significance clearly mentioned and is relevant to the current issues related to the topic?	
<b>5.2</b>	<b>Review of literature:</b>	
	Whether the review is updated, relevant and clearly establishes the current knowledge on all aspects of research problem? Whether the review developed for developing plan of research for generating the required new information/innovation/knowledge is pertinent to finding solutions of the problem?	
<b>5.3</b>	<b>Material and Methods:</b>	
	Whether the plan of research developed in an integrated and well-designed manner to carry out investigations/diagnosis/analysis in order to generate critical new information or knowledge? Are materials and techniques standard/improved and data processing appropriate?	
<b>5.4</b>	<b>Results and Discussion:</b>	
	Is data presentation clear? Are results presented in concise, logical, sequential and critical manner having direct relevance to the objectives of the study and are supported by appropriate tables/figures/illustrations, etc? Whether, the essential features of the new information/knowledge /product/technology/design/ prototype/software have been brought out and precisely how the study has made significant contributions to the existing knowledge on the subject. Are the issues raised have been discussed properly? In case of any deviation whether the justification has been made properly. A clear statement regarding the extent of original objectives achieved needs to be given	
<b>5.5</b>	<b>Summary and Conclusions</b>	

	Whether the thesis research has been summarized properly, the conclusions drawn are appropriate and supported by relevant data	
<b>5.6</b>	<b>Utility of the results</b>	
	Whether anticipated utility (Practical/strategic/fundamental/basic) of the results obtained in the fields of agriculture/livestock/technology and allied sciences has been clearly stated and relevance to the development of State/ country clearly elucidated	
<b>5.7</b>	<b>Language and Grammar</b>	
	Is language appropriate? Has the punctuations, grammar and language used proper? Suggested improvements, if any (May use additional sheets)	
<b>5.8</b>	<b>Literature Cited</b>	
	Whether the literature cited is in relevance to the modern concepts and has been properly incorporated? Has the standard format been followed? Whether literature cited in text matches with the bibliography? If no, mention the errors	
<b>6</b>	<b>Is thesis fit for the award of degree</b>	<b>Yes/No</b>
<b>7</b>	<b>Final Recommendations</b>	
		A: Thesis to be accepted B: Thesis needs to be resubmitted in the light of the comments C: Thesis is rejected, needs major changes
<b>8</b>	<b>Over all comments (Extra sheet may be attached)</b>	
Date:		Signatures: Name: Designation: Address:

**(Format of Viva Voce Report)**

**U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam  
Go-Anusandhan Sansthan, Mathura-281001 (UP)**

**VIVA – VOCE REPORT**

Name of the Student : .....

Enrolment No. : .....

Subject : .....

College : .....

Title of the Thesis : .....

Degree : M.V.Sc./M.Sc./M.Tech./ M.F.Sc./Ph.D.

This is to certify that the corrections of the thesis indicated by the external examiner have been incorporated and the viva-voce examination of the student before the advisory committee was found **satisfactory/unsatisfactory\***. Therefore, the degree of .....**may/may not\* be** conferred to the candidate.

**Advisory Committee**

S. No.	Name	Status	Signature
1.		<b>Major Advisor/ Chairman</b>	
2.		Member	
3.		Member	
4.		Member	
5.		Member	

**Signature with date, Name, designation  
and address of External Examiner**

**HOD  
Name of the Department**

**Signature with Date  
Dean PGS**

\*The external examiner score out the relevant phrase and place his/her signatures

**(Format of Undertaking of Copy Right by Student)**

I .....Enrolment No..... undertake that I give copy right to the U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura of my thesis entitled.....  
.....

I also undertake that patent, if any, arising out of research work conducted during the programme shall be filed by me only with due permission of the competent authority of U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura (UP).

**Signature of the Student**

Proforma for Transcript (Masters)

	<b>U.P. PT. DEEN DAYAL UPADHYAYA PASHU CHIKITSA VIGYAN VISHWAVIDYALAYA EVAM GO-ANUSANDHAN SANSTHAN, MATHURA</b>  <b>TRANSCRIPT OF ACADEMIC RECORD</b> <b>College of .....</b>	Photograph of student						
Enrollment No. : College code/ XXXX/year      Programme: M.V.Sc./M.Sc./M.Tech./ M.F.Sc. Name: Ms./Mr./Dr. XXXXXXXX Father's Name : Sh. XXXXXXXX      Major Subject: XXXXXXXX Mother's Name: Smt. XXXXXXXX      Minor Subject: XXXXXXXX Title of Thesis : B-Mode ultrasonography of teat in dry and lactating buffaloes ( <i>Bubalis bubalis</i> )		Transcript No. ....						
Academic Year and Semester	Course Title	Course Code	Credit Hours	Credit Points Obtained		Total Credit Points	GPA	Result
				Theory	Practical			
2022-23 1 <sup>st</sup> Semester	Molecular Diagnostics and Vaccine Development in Parasitology	VPA-602	2+1					Pass
	Advance in Protozoology	VPA-604	2+1					
	Advance in Helminthology-II	VPA-606	2+1					
	Special Problem	VPA-690	0+2					
	Masters Seminar I	VPA-691	1+0					
	Advance in Clinical Biochemistry	VBC-603	0+2					
	Occupational Health Hazards	VPA-608	2+1					
	Library and Information Services	PGS-501	0+1		-	Satisfactory	-	
Intellectual Property and its Management in Agriculture	PGS-503	1+0		Satisfactory	-	-		
Games and Sports	PDC-501	0+1		-	Satisfactory	-		
2022-23 2 <sup>nd</sup> Semester	Advance in Helminthology-I	VPA-605	2+1					Pass
	Advance in Entomology and Acarology	VPA-607	2+1					
	Nutritional Biochemistry	VBC-606	2+0					
	Techniques in Biochemistry	BCH-505	2+1					
	Technical Writing and Communications Skills	PGS-502	0+1		-	Satisfactory	-	
	Agriculture Research, Research Ethics and Rural Development Programmes	PGS-505	1+0		Unsatisfactory	-	-	
	Games and Sports	PDC-501	0+1		-	Satisfactory	-	
Statistical Methods for Applied Sciences	STAT-502	3+1						
2023-24 3 <sup>rd</sup> Semester	Advance in Mineral and Vitamin Metabolism and Related Diseases	VBC-613	2+0					Pass
	Advance in Techniques in Biochemistry	VBC-612	0+2					
	Basic Concepts in Laboratory Techniques	PGS-504	0+1			Satisfactory		
	Masters Research	VPA-699	16		Satisfactory			
	Comprehensive Examination	-	-		Satisfactory			
	Games and Sports	PDC-501	0+1		-	Satisfactory		
Agricultural Research, Research Ethics and Rural Development Programmes	PGS-505	1+0r		Satisfactory	-	-		
2023-24 4 <sup>th</sup> Semester	Masters Research	VPA-699	9		Satisfactory		-	Pass
	Masters research	VPA-699	5		Unsatisfactory		-	
2024-25 5 <sup>th</sup> Semester	Masters research (Date of Thesis Submission :.....)	VPA-699	5r		Satisfactory		-	Pass
2024-25 6 <sup>th</sup> Semester	Thesis Viva-Voce Examination (Date of Thesis Viva-Voce.....)	Unsatisfactory/ Satisfactory				-	-	Pass

Remark (if any):

Total Credit Hours:	74
Total Gradable Credit Hours:	36
Total Credit Points:	274.8
OGPA:	7.633
% of Marks:	76.33
Division:	First

Note:

- Grading of marks shall be done on 10 point scale. The minimum marks are 60% in aggregate of Theory and Practical courses separately.
- The divisions are determined on the basis of aggregate of marks of all the courses prescribed as under First Division with distinction: 8.00 or more, First Division: 7.00 to 7.99, Pass with Second Division: 6.00 to 6.99 .
- In case of any discrepancy the marks entered in the university tabulation chart shall be final.
- The points earned will be 0 if the marks obtained in a course are less than 60%. Whenever the student registers the course again it will be marked as 'r' (repeat) along with the credit hours. Non-credit courses are evaluated as Satisfactory or Unsatisfactory.
- The **credit point** in a course shall be equal to the marks obtained in theory and practical separately multiplied by number of credit hours in theory and practical components respectively and divided by 10. The **total credit points** earned in various courses shall be summed up and

divided by total number of credit hours for calculation of **GPA** (grade point average). The course work **OGPA** will be equal to the **total credit points** divided by **total number of course credit hours** in all the semesters.

6. If the student has withdrawn from all the courses in a semester the particular semester is marked with 'W' in result column

Date:

Prepared by:  
Checked by:

Controller of Examinations

Proforma for Transcript (Doctorate)

	<b>U.P. PT. DEEN DAYAL UPADHYAYA PASHU CHIKITSA VIGYAN VISHWAVIDYALAYA EVAM GO-ANUSANDHAN SANSTHAN, MATHURA</b>  <b>TRANSCRIPT OF ACADEMIC RECORD</b> <b>College of .....</b>	Photograph of student						
Enrollment No. : College code/ XXXX/year      Programme:      Ph.D. Name:      Ms./Mr./Dr. XXXXXXXX Father's Name : Sh. XXXXXXXX      Major Subject:      XXXXXXXX Mother's Name: Smt. XXXXXXXX      Minor Subject:      XXXXXXXX Title of Thesis : B-Mode ultrasonography of teat in dry and lactating buffaloes ( <i>Bubalis bubalis</i> )		Transcript No. ....						
Academic Year and Semester	Course Title	Course Code	Credit Hours	Credit Points Obtained		Total Credit Points	GPA	Result
				Theory	Practical			
2022-23 1 <sup>st</sup> Semester	Molecular Diagnostics and Vaccine Development in Parasitology	VPA-702	2+1					Pass
	Advance in Protozoology	VPA-704	2+1					
	Advance in Helminthology-II	VPA-706	2+1					
	Doctoral Seminar I	VPA-791	1+0					
	Advance in Clinical Biochemistry	VBC-703	0+2					
	Mathematics for Applied Sciences	STAT 501	2+0					
2022-23 2 <sup>nd</sup> Semester	Advance in Helminthology-I	VPA-705	2+1					Pass
	Experimental Designs	STAT 511	2+1					
	Nutritional Biochemistry	VBC-706	2+0					
	Advance in Techniques in Biochemistry	VCB-712	0+2					
	Doctoral Seminar II	VPA-792	1+0					
	Doctorate Research	VPA-799	06	Satisfactory				
2023-24 3 <sup>rd</sup> Semester	Doctorate Research	VPA-799	15	Satisfactory		-	-	Pass
	Comprehensive Examination	-	-	Satisfactory		-	-	
2023-24 4 <sup>th</sup> Semester	Doctorate Research	VPA-799	15	Satisfactory		-	-	Pass
	Oral Comprehensive Examination (Date: .....)	-	-	Satisfactory		-	-	
2024-25 5 <sup>th</sup> Semester	Doctorate Research	VPA-799	15	Satisfactory		-	-	Pass
2024-25 6 <sup>th</sup> Semester	Doctorate Research	VPA-799	15	Satisfactory		-	-	Pass
2025-26 7 <sup>th</sup> Semester	Doctorate Research	VPA-799	04	Satisfactory		-	-	Pass
2025-26 8 <sup>th</sup> Semester	Doctorate Research	VPA-799	5r	Unsatisfactory		-	-	Pass
2026-27 9 <sup>th</sup> Semester	Thesis Submission (Date of Thesis Submission:.....)	VPA-799	5	Satisfactory		-	-	
	Thesis Viva-Voce Examination (Date of Thesis Viva-Voce.....)	Unsatisfactory/ Satisfactory				-	-	Pass
Remark (if any):								

Total Credit Hours:	100
Total Gradable Credit Hours:	25
Total Credit Points:	188.8
OGPA:	7.552
% of Marks:	75.52
Division:	First

Note:

- Grading of marks shall be done on 10 point scale. The minimum marks are 60% in aggregate of Theory and Practical courses separately.
- The divisions are determined on the basis of aggregate of marks of all the courses prescribed as under First Division with distinction: 8.00 or more, First Division: 7.00 to 7.99, Pass with Second Division: 6.00 to 6.99 .
- In case of any discrepancy the marks entered in the university tabulation chart shall be final.
- The points earned will be 0 if the marks obtained in a course are less than 60%. Whenever the student registers the course again it will be marked as 'r' (repeat) along with the credit hours. Non-credit courses are evaluated as Satisfactory or Unsatisfactory.
- The **credit point** in a course shall be equal to the marks obtained in theory and practical separately multiplied by number of credit hours in theory and practical components respectively and divided by 10. The **total credit points** earned in various courses shall be summed up and divided by total number of credit hours for calculation of **GPA** (grade point average). The course work **OGPA** will be equal to the **total credit points** divided by **total number of course credit hours** in all the semesters.
- If the student has withdrawn from all the courses in a semester the particular semester is marked with 'W' in result column

Date:

Prepared by:

Checked by:

Controller of Examinations

Proforma for Transcript (PG Diploma)

	<b>U.P. PT. DEEN DAYAL UPADHYAYA PASHU CHIKITSA VIGYAN VISHWAVIDYALAYA EVAM GO-ANUSANDHAN SANSTHAN, MATHURA</b>				Photograph of student				
	<b>TRANSCRIPT OF ACADEMIC RECORD</b> College of .....								
Enrollment No. : College code/ XXXX/year Name: Ms./Mr./Dr. XXXXXXXX Father's Name : Sh. XXXXXXXX Mother's Name: Smt. XXXXXXXX		Programme: Post Graduate Diploma Major Subject: XXXXXXXX		Transcript No.....					
Academic Year and Semester	Course Title	Course Code	Credit Hours	Credit Points Obtained		Total Credit Points	GPA	Result	
				Theory	Practical				
2022-23 1 <sup>st</sup> Semester	Molecular Diagnostics and Vaccine Development in Parasitology	VPA-602	2+1					Pass	
	Advance in Protozoology	VPA-604	2+1						
	Advance in Helminthology-II	VPA-606	2+1						
	Special Problem	VPA-690	0+2						
	Masters Seminar I	VPA-691	1+0						
	Advance in Clinical Biochemistry	VBC-603	0+2						
	Occupational Health Hazards	VPA-608	2+1						
	Library and Information Services	PGS-501	0+1	-	Satisfactory	-			
	Intellectual Property and its Management in Agriculture	PGS-503	1+0	Satisfactory	-	-			
2022-23 2 <sup>nd</sup> Semester	Games and Sports	PDC-501	0+1	-	Satisfactory	-		Pass	
	Advance in Helminthology-I	VPA-605	2+1						
	Advance in Entomology and Acarology	VPA-607	2+1						
	Nutritional Biochemistry	VBC-606	2+0						
	Advance in Techniques in Biochemistry	VBC-612	0+2						
	Advance in Mineral and Vitamin Metabolism and Related Diseases	VBC-613	2+0						
	Technical Writing and Communications Skills	PGS-502	0+1	-	Satisfactory	-			
	Games and Sports	PDC-501	0+1	-	Satisfactory	-			
Basic Concepts in Laboratory Techniques				PGS-504	0+1	-	Satisfactory	-	
Statistical Methods for Applied Sciences				STAT-502	2+0				
Remark (if any):									
				Total Credit Hours:		36			
				Total Gradable Credit Hours:		30			
				Total Credit Points:		210.0			
				OGPA:		7.000			
				% of Marks:		70.00			
				Division:		First			

Note:

- Grading of marks shall be done on 10 point scale. The minimum marks are 60% in aggregate of Theory and Practical courses separately.
- The divisions are determined on the basis of aggregate of marks of all the courses prescribed as under First Division with distinction: 8.00 or more, First Division: 7.00 to 7.99, Pass with Second Division: 6.00 to 6.99 .
- In case of any discrepancy the marks entered in the university tabulation chart shall be final.
- The points earned will be 0 if the marks obtained in a course are less than 60%. Whenever the student registers the course again it will be marked as 'r' (repeat) along with the credit hours. Non-credit courses are evaluated as Satisfactory or Unsatisfactory.
- The **credit point** in a course shall be equal to the marks obtained in theory and practical separately multiplied by number of credit hours in theory and practical components respectively and divided by 10. The **total credit points** earned in various courses shall be summed up and divided by total number of credit hours for calculation of **GPA** (grade point average). The course work **OGPA** will be equal to the **total credit points** divided by **total number of course credit hours** in all the semesters.
- If the student has withdrawn from all the courses in a semester the particular semester is marked with 'W' in result column

Date:

Prepared by:  
Checked by:

Controller of Examinations



Proforma for Grade Sheet

**U.P. PT. DEEN DAYAL UPADHYAYA PASHU CHIKITSA VIGYAN  
VISHWAVIDYALAYA EVAM GO-ANUSANDHAN SANSTHAN, MATHURA**

**GRADE SHEET OF ..... SEMESTER**  
COLLEGE OF .....

Enrollment No.: **V-**  
Name:  
Father's Name: **Sh.**  
Major Subject:

PROGRAMME: **M.V.Sc./M.Sc./M.Tech./ M.F.Sc./Ph.D.**  
SESSION: **2022-23**  
Mother's Name: **Smt.**  
Minor Subject:

S. No.	Course Title	Course No.	Credit Hours	Credit Points Obtained		Total Credit Points
				Theory	Practical	
1						
2						
3						
4						
5						
6						
7						
8						
<b>Total</b>						
<b>GPA</b>						
<b>Result</b>						
CGPA (till end of this semester):						

**Note:-**

1. Grading of marks shall be done on 10 point scale. The minimum marks are 60% in Theory and Practical separately.
2. The divisions are determined on the basis of aggregate of marks of all the courses prescribed as under-First Division with distinction: 8.000 and above, First Division: 7.000 - 7.999, Second Division: 6.000 - 6.999.
3. In case of any discrepancy the marks entered in the university tabulation chart shall be final.
4. The credit points earned will be 0 if the marks obtained in a theory or practical are less than 60%.
5. The **credit point** in a course shall be equal to the marks obtained in theory and practical separately multiplied by number of credit hours in theory and practical components respectively and divided by 10. The **total credit points** earned in various courses shall be summed up and divided by total number of credit hours for calculation of **GPA** (grade point average). The course work **OGPA** will be equal to the **total credit points** divided by **total number of course credit hours** in all the semesters.

Date:

Prepared by:

Checked by:

Controller of Examinations