

Four credits of internship earned by a student during summer internship after 2nd semester will be counted in 3rd semester of a student who pursue 2 year PG Programme without taking exit option.

Scheme A2: Semester 4th

Course Code	Course Title	Course ID	L	T	P	L	T	P	Total Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
Ability Enhancement Course(s)														
AEC-03	Manuscript Writing**/ Pool	241/ZOO/AE401	02	00	00	02	00	00	02	00	50	00	00	50
Dissertation/Project Work														
Dissertation	Industrial Training/Research Project/ Dissertation	241/ZOO/DISSERTATION401	0	0	40	0	0	20	20	00	00	100	400	500
Total Credits									22					550

S. B. Sharma

Zoology: SEMESTER-IV							
Course Type	Course Code	Name of the Course	Credit	Contact Hours/Week	Internal Assessment marks	End Term Marks	Max. Marks
Dissertation	241/ZOO/DISSERTATION401	Dissertation	20	40	100	400	500

Course Learning Outcomes (CLO)

1. **Demonstrate advanced knowledge and understanding** of a specialized area within the field of botany, integrating current research and scientific literature.
2. **Formulate a clear research question or hypothesis** and design a methodologically sound investigation to address it.
3. **Apply appropriate experimental, analytical, or field techniques** to collect, analyse, and interpret botanical data.
4. **Critically evaluate scientific data** and discuss its implications in the context of existing botanical theories and research.
5. **Present research findings clearly and effectively** in a well-structured scientific dissertation, adhering to academic standards of writing and referencing.
6. **Defend research outcomes** and methodology in an oral or written format, demonstrating a thorough understanding of the research topic and its broader scientific context.
7. **Work independently and manage time effectively** over an extended research project, showing initiative, problem-solving ability, and scientific integrity.

COURSE DESCRIPTION:

Industrial Training/Research Project/ Dissertation: Every student will be required to undertake Industrial Training or a research project based on related areas of Botany. The training/research project report will be submitted in the form of dissertation and will be presented for evaluation at the end of semester by an external expert. The internal and external assessment of training and project work will be carried out as following.

Internal Assessment:

- Synopsis
- One Mid-semester progress report/presentation

External Assessment:

- Final project report and viva-voce presentation.

Dissertation Report Submission Guidelines:

The dissertation report should be contained followings:

1. Dissertation report will contain a cover page, certificate signed by student and supervisor, table of contents, introduction, Objective, Literature review, methodology, results and discussions conclusion, and references.
 - The paper size to be used should be A-4 size.
 - The font size should be 12 with Times New Roman.
 - The text of the dissertation may be typed in 1.5 (one and a half) space.
 - The print out of the dissertation shall be done on both sides of the paper (instead of single side printing)
 - The total no. of written pages in dissertation report should be 40 to 60.
2. The candidate shall be required to submit three hard bound copies of dissertation along with a CD in the department as per the date announced.
3. Plagiarism should be below 20% (with filter of 5 words in a line from the same source) and students are required to produce letter of undertaking regarding plagiarism.
4. The candidate will defend her/his dissertation/project work through presentation before the External examiner at the end of semester and will be awarded marks.

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