

**PANDIT SUNDARLAL SHARMA (OPEN) UNIVERSITY  
CHHATTISGARH, BILASPUR.**

Koni Brikona Bilaspur Chhattisgarh -495009



**PROGRAMME PROJECT REPORT (PPR)**

**PROGRAMME: MASTER OF SCIENCE**

**SUBJECT- ZOOLOGY**

**TWO YEAR GRADUATE PROGRAMME**

*Amir*  
3.10.25

*JK*

*Rajesh*  
03.10.2025  
(Dr. Rajesh Kumar)

*Dr. Rajesh*



**PANDIT SUNDARLAL SHARMA (OPEN) UNIVERSITY CHHATTISGARH,  
BILASPUR.**

**Two Year Post Graduation Programme (Master of Science)**

**PROGRAMME PROJECT REPORT (PPR)**

**Subject- zoology.**



**Course – Curriculum of Post Graduate Programme**

**SUBJECT- ZOOLOGY.**

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03.10.2025

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**PANDIT SUNDARLAL SHARMA (OPEN) UNIVERSITY CHHATTISGARH,  
BILASPUR.**

**PROGRAMME PROJECT REPORT (PPR)**

**M.Sc. -ZOOLOGY**

**a) Programme mission and Objective:** Master of science Zoology is delivered through distance mode to promote the scientific permeant of the learners in higher education by providing easy access to all those earners to improve their qualification, skills and competence. The education in M.Sc. Zoology will be theoretical as well as practical so that the student will be prepared for scientific and competitive environment, following are the broad objectives of the program:

- The primary objective of the program is to impart quality education in the subject of Zoology as a basic science and its applied branches to the students.
- To facilitate Higher education & research in zoology.
- To provide skill-based programs and motivate the students for self-employment in applied branches of Zoology
- To Inculcate the spirit of resource conservation and love for nature.
- To conduct field studies and different projects of local and global interests.
- To provides opportunities for professional and personal development through curricular and co-curricular activities.
- Provide consultancy and organize extension activities

**b) Relevance of the programme with HEI's mission and goals.** Sundarlal Sharma (Open) University, Chhattisgarh is dedicated to bestow with assured quality of scientific edification for learners of remote areas where regular form of education is unreachable In the line of the mission of the University, this programme will provide ample opportunities to those rural and backward learners who cannot find a place in regular education system and deprived of science education.

**c) Nature of the Prospective target group of Learners:** The prospective learners can be graduate learners of Life Science faculty (with Botany as a subject)

**d) Appropriateness of programme to be conducted in Open and Distance Learning mode to acquire scientific skills and competence:** Zoology is one of the suitable course programmes to be offered through Open and Distance Learning mode. The theoretical as well as practical knowledge can be thoroughly gained by the learners to acquire the capability which will make them trained for self-employment as per the market demand.

*Sundarlal Sharma*     *for*     *Director*

**e) Instructional Design:**

**i. Duration and credit:** This program has duration of two years, although learners may complete the program gradually within a maximum period of 4 years. The program has weightage of **80 credits** in this program the learners have to study course of **40 credit** point in each year Contact session of every course will be arranged at the headquarter and study center where the learners can solve their difficulties.

**ii Medium:** The course material for M.Sc. program will be in Hindi language however a learners can opt for both English and Hindi language for answering the questions in the examination.

**Course structure:**

Year	Course code	Course Title	Paper	Credit	
	Zoo-M.Sc.01	Structure and function of Non-chordates, Minor phyla.	First	08	
<b>M.Sc. PREVIOUS</b>	Zoo-M.Sc.02	Ecology and Environmental physiology.	Second	08	
	Zoo-M.Sc.03	General physiology and comparative Endocrinology of vertebrates.	Third	08	
	Zoo-M.Sc.04	Modern Genetics and Biotechnology.	Fourth	08	
	Lzoo-01	Practical	Lab-I	04	
	Lzoo-02	Practical	Lab-II	04	
<b>M.Sc. FINAL</b>	Zoo-M.Sc.05	Molecular cell biology	First	08	
	Zoo-M.Sc.06	Tools and techniques in Modern Biology	Second	08	
	Zoo-M.Sc.07	Comparative Anatomy of Vertebrates	Third	08	
	Zoo-M.Sc.08	Taxonomy & Animal Behaviour	Fourth	08	
	Lzoo-03	Practical	Lab-II	04	
	Lzoo-04	Practical	Lab-IV	04	
	DLzoo-01	OR Instead of Lab-III& Lab-IV Dissertation			
	Total				80

However, course structure/content is subject to change as per Board of Studies recommendations from time to time.

**iii (a) Dissertation-**





  
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a)1. Dissertation will be an optional paper which can be opted by the learner only if he/she scores 60% or above in the Previous year.

b) 2. If result of a learner in previous year is ATKT than he/she cannot eligible to opted dissertation work in M.Sc. final year.

c) 3. Offline Online Classes will be held for 10 days (Excluding holiday and Sunday) in which 75% of total attendance will be mandatory.

d) 4. UTD shall be the Centre for Dissertation in which Regular & Guest Faculties with Ph.D. shall act as the Supervisor of the Dissertation.

e) 5. Dissertation shall be of total 100 marks. 70 marks shall be for Hard Bound Report Submission (Dissertation) and 30 marks shall be for Viva-Voce.

v) **Learning method:** The learning method developed by University will comprise of independent form of delivery and will constitute the following components.

(a) Self-instructional textbook (self-learning materials).

(b) Counselling and contact session at the study center by the subject expert.

(c) Preparing the learners assignment

vi **Means of delivery:** The learners are given the syllabus of the courses and also the self-learning materials. It help the learners to study a specific topic, if the learners has any difficulty, he or she can make a note of it. They can discuss these noted difficulties with the counsellor during the contact session at the study center.

vii) **Requirement of faculty and support staff:** Faculty of science is headed by permanent faculty member, other supporting staff have been deputed at the study center, qualified teacher and other staff are already working, they will be assigned the contact classes and counselling sessions.

#### **F) Procedure for admissions, curriculum transaction and evaluation:**

**I. Procedure of Admission:** The admission for this programme is done yearly (January-December). All the admissions for the course will be done through online mode. The minimum eligibility for admission into this programme for the candidate is having passed graduation examination of science faculty with Zoolnyas a subject from any recognised board.

**II. Curriculum Transaction:** For successful completion of the proposed program a candidate has to obtain minimum pass mark of 40%. Degree will be awarded on the basis of aggregate mark obtained in each year. Passing in all the year will be an essential criterion for the award of degree. Evaluation Patterns: the patterns of evaluation for each course from year I to year II of M.Sc. Zoology program will have following two components:

(a) Continuous assessment through Tutor Mark Assignment (TMA) (b) Term End examination (TEE)

(c) Practical

**a. Continuous Assessment Through Tutor Mark Assignment (TMA):** For each course in every year the learner's performance will be continuously evaluated. Continuous assessment schedule and evaluation will be done by the headquarter and study center which will be monitored by the concerned





  
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department. The learners have to submit Tutor Mark Assignment TMA carry 30marks before the Term End Examination (TEE) which will be the base of evaluation.

**b. Term End Examination (TEE):** TEE will be conducted at the end of the learning period. through examinations as like other University Term End Examination (TEE) of each course will be of 70 marks the question in the examination will comprise of objective types. very short type, short type, semi long type and long type answer the structure of the examination is as under.

Section	Total No. or Question	Types of Question
A	8 (All Compulsory Question)	Objective types
B	6 (4 Should be answered)	Very short type
C	4 (3 Should be answered)	Short type
D	4 (2 Should be answered)	Semi long type
E	2 (1 Should be answered)	Long type
TOTAL	24 (18 Should be answered)	

**c. Practical/Viva-voce:** Evaluation of this component is based on practical work submitted by the learners with viva-voce is conducted in the presence of an external examiner. Each lab course will be of 50 marks

**d. University Fee Structure:** Fee structure of course is per University Norms.

**g) Requirement of the laboratory support and library resources:** Laboratory is required for this course. Resources in the form of reference books and journals will be made available to the learners in the University Central library of study centres, which they can access for gaining knowledge.

**h) Cost estimate of the programme and the provisions:** For the design, development delivery and maintenance of the programme the fund will be as per the budget allocated by the University in its Annual budget session.

**1) Quality assurance mechanism and expected programme outcomes:** The monitoring of the programme will be done on continuous basis by the department concern. Regular updating of the curriculum and syllabus will be checked by the concerned board of studied and regular monitoring will be done by center for Internal Quality Assurance (CIQA) of the University. Learners will be asked to provide their feedback on continuous basis to develop suitable action plans for the programme and will be duly incorporated into the teaching and delivery system.

