

## **COURSE CONTENT FOR BIOLOGY METHOD FOR B. Ed.**

### **SEMESTER II**

Subject Code	Paper Title	Marks			Credit	Contact Hours
		External	Internal	Total		
Paper VII A	Pedagogy of a School Subject – Part - I	40	10	50	3	32(2.5)
	Biology					

Subject Code	Paper Title	Course Outcomes
Paper VII A	Pedagogy of a School Subject – Part - I (Biology)	<p>On completion of this course, the student-teacher shall:</p> <ul style="list-style-type: none"> <li>State the nature and importance of Biological Science and its relevance in secondary school curriculum in context with recent curriculum reforms in School Curriculum</li> <li>Use various methods and approaches to teaching-learning Biological Science suitable for the secondary school classes.</li> <li>Plan units' lessons in Biological Science using traditional and constructivist approaches for effective classroom transactions.</li> </ul>

### **SEMESTER III**

Subject Code	Paper Title	Marks			Credit	Contact Hours
		External	Internal	Total		
Paper VII B	Pedagogy of a School Subject – Part - II	40	10	50	3	32(2.5)
	Biology					

Subject Code	Paper Title	Course Outcomes
Paper VII B	Pedagogy of a School Subject – Part - II (Biology)	<p>On completion of this course, the student-teacher shall:</p> <ul style="list-style-type: none"> <li>Develop and collect activities and resource materials for their use in enhancing quality of learning of Biological Science at the secondary level.</li> <li>Use appropriate tools and techniques for continuous and comprehensive assessment of learning in Biological Science.</li> <li>State the concepts in Biological Science included in the secondary school curriculum and make pedagogical analysis of those concepts.</li> </ul>

Sl. No.	Roll No.	Student Name	Internal Marks (20)	External Marks (80)	Average On (100)
1	233807185052	SUSHMA SOY	16	74	90
2	233807185082	RANJITA MAHATO	17	75	92
3	233807185083	RANI MAHATO	16	73	89
4	233807185111	KUMARI PRIYA	16	72	88
5	233807185114	KOMAL KUMARI	17	75	92

## Process of calculating CO attainment for B.Ed. Programme – Biology Method

- a. **Course Outcome Attainment** is carried out using the following two components.
  - i. End Semester Examination (**ESE**)
  - ii. Continuous Internal Evaluation (**CIE**)
- b. There are **4 - 10 course outcomes** framed for **courses**.
- c. Each **course outcome** has attainment level (**3-High, 2-Medium, 1-Low**).
- d. **Course Outcome Attainment Level** of **CIE & ESE** is set by considering number of students scored more than the threshold mark of that course as shown below.
  - ✓ *Course Outcome Attainment Level = 1: 60% students scoring more than threshold*
  - ✓ *Course Outcome Attainment Level = 2: 70% students scoring more than threshold*
  - ✓ *Course Outcome Attainment Level = 3: 80% students scoring more than threshold*

**(Where threshold = 60% of maximum marks for that Course Outcome)**

**Attainment of Course Outcome of one of the courses of B.Ed. Programme :-**

Subject Code	PAPER VII – A & B					
Paper Title	BIOLOGY					
Total Number of Students	5					
Course outcome on total marks of 100	C01	C02	C03	C04	C05	C06
Maximum Marks	10	20	20	10	20	20
Threshold = 60% of Maximum Marks	6	12	12	6	12	12
% Students Scoring >= Threshold	100	100	100	100	100	100
Course Outcome Attainment Level (COAL)	3	3	3	3	3	3

CO Attainment level is **attained successfully** for the particular course.

### **Note:**

**CO attainment of a course is calculated by using the following formula:**

Course outcome attainment = 80% of ESE attainment level + 20% of CIE attainment level.

### **CO Attainment Calculation - PARAMETERS**

Parameters for Assessment	COs Covered
Internal Exam	C01
	C04
End Semester Examination	C02 & C03 & C05 & C06