

# **COURSE CONTENT FOR PHYSICAL SCIENCE 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)
	PHYSICAL SCIENCE					

Subject Code	Paper Title	Course Outcomes
Paper VII A	Pedagogy of a School Subject – Part - I (Physical Science)	<p>On completion of this course, the student-teacher shall:</p> <ul style="list-style-type: none"> <li>State the nature and importance of physical science and its relevance in secondary school curriculum.</li> <li>Use various methods and approaches to teaching-learning Physical Science suitable for the secondary school classes.</li> <li>Plan lessons in physical science 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)
	Physical Science					

Subject Code	Paper Title	Course Outcomes
Paper VII B	Pedagogy of a School Subject – Part - II (Physical Science)	<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 Physical Science at the secondary level</li> <li>Use appropriate tools and techniques for continuous and comprehensive assessment of learning in Physical Science. State the concepts in Physical 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	233807185046	VISHAKHA KUMARI	17	75	92
2	233807185047	VIKRAM MUNDA	17	74	91
3	233807185056	SUMIT PRADHAN	16	75	91
4	233807185059	SONALI SINKU	18	77	95
5	233807185075	RITESH MAHATO	17	74	91
6	233807185077	RAHUL DOGRA	16	72	88
7	233807185086	RAJ MADESHIYA	18	74	92
8	233807185089	RAHUL KUILA	17	74	91
9	233807185096	PANKAJ MAHATO	17	75	92
10	233807185109	LAXMI MAHATO	17	73	90
11	233807185134	AVINASH BODRA	18	74	92
12	233807185139	ANIKET DALAI	16	74	90

## Process of calculating CO attainment for B.Ed. Programme – Physical Science 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	PHYSICAL SCIENCE				
Total Number of Students	12				
Course outcome on total marks of 100	CO1	CO2	CO3	CO4	CO5
Maximum Marks	10	40	5	5	40
Threshold = 60% of Maximum Marks	6	24	3	3	24
% Students Scoring >= Threshold	100	100	100	100	100
Course Outcome Attainment Level (COAL)	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	CO1
	CO2
	CO4
End Semester Examination	CO3 & CO5