

COURSE CONTENT FOR MATHEMATICS 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)
	Mathematics					

Subject Code	Paper Title	Course Outcomes
Paper VII A	Pedagogy of a School Subject – Part - I (Mathematics)	On completion of this course, the student-teacher shall: • Narrate the evolution and nature of Mathematics and its importance in the school curriculum in the context of the recent curricular reforms. • Use various methods and approaches of teaching and learning mathematics especially suitable for the secondary school classes. • Plan lessons in Mathematics using traditional and constructivist approaches for effective classroom transactions.

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)
	Mathematics					

Subject Code	Paper Title	Course Outcomes
Paper VII B	Pedagogy of a School Subject – Part - II (Mathematics)	On completion of this course, the student-teacher shall: • Develop and collect activities and resource materials for their use in enhancing the quality of learning Mathematics at the secondary level. • Conduct continuous and comprehensive assessment for enhancing the quality of Mathematics learning. • Explain the concepts in Mathematics included in the secondary school curriculum and make pedagogical analysis of those concepts

Sl. No.	Roll No.	Student Name	Internal Marks (20)	External Marks (80)	Average On (100)
1	233807185049	TAPAN KUMAR ACHARAYA	16	73	89
2	233807185061	SIDHARTH SATPATHY	17	77	94
3	233807185066	SATYAJIT MAHATO	17	76	93
4	233807185072	SACHIN MAHATO	17	76	93
5	233807185084	RAJESH PRAMANIK	17	75	92
6	233807185090	PUJA GUPTA	16	74	90
7	233807185093	PRAKASH LAYAK	16	75	91
8	233807185097	NIRUPAMA PRADHAN	17	76	93
9	233807185107	LOCLY MAHATO	15	74	89
10	233807185120	HARADHAN GORAI	17	74	91
11	233807185122	GANESH TANTI	18	75	93
12	233807185128	BULU SAHU	17	76	93

13	233807185131	BIJAY SAHU	16	76	92
14	233807185140	AMAR GORAI	17	75	92
15	233807185141	AMAN MISHRA	17	76	93
16	233807185142	AMELENDU MAHATO	18	74	92
17	233807185143	ABHISHEK RATH	16	75	91

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

- Course Outcome Attainment** is carried out using the following two components.
 - End Semester Examination (**ESE**)
 - Continuous Internal Evaluation (**CIE**)
- There are **4 - 10 course outcomes** framed for **courses**.
- Each **course outcome** has attainment level (**3-High, 2-Medium, 1-Low**).
- 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	MATHEMATICS					
Total Number of Students	17					
Course outcome on total marks of 100	CO1	CO2	CO3	CO4	CO5	CO6
Maximum Marks	10	20	20	10	20	20
Threshold = 60% of Maximum Marks	6	12	12	6	12	11
% 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	CO1
	CO2
End Semester Examination	CO3 & CO4 & CO5 & CO6