

THE PO – CO MATRIX

SEMESTER – II, III

ELECTIVE COURSE 1 & 2 – MATHEMATICS METHOD

PROGRAM SPECIFIC OUTCOMES COURSE OUTCOMES ↓	PO1: Disciplinary Knowledge	PO2: Teaching Competen ce	PO3: Thinking Skills	PO4: Comm Skills	PO5: Research Skills	PO6: Digital Literacy, Wellness	PO7: Life Skills	PO8: Comm. Engagement	PO9: Cooperation & Team Work	PO10: Inclusive Mind set	Teaching Strategies	Strategies to assess the Outcomes
CO 1: The learner will be able to define Maxims and Digital Resources for Teaching Mathematics (Remembering)	(✓) L-1	(✓) L-1	(✓) L-1	(✓) L-1			(✓) L-1			(✓)	Lecture/ Discussion	Essay/ class test
CO 2: The learner will be able to describe basics of academic disciplines and aims and objectives of teaching mathematics at Secondary and Higher secondary school level, the Competencies of Mathematics teacher and the Need and Avenues of Continuous Professional Development in Mathematics. (Understanding)	(✓) M-2	(✓) M-2	(✓) M-2	(✓) M-2			(✓) M-2		(✓) M-2		ICT Based Pedagogy/ Lecture/ Videos followed by discussion	Class test/Essay/ Prelims/sem ester End Exam
CO 3: The learner will be able to examine the Nature of Mathematics, Maxims of teaching Mathematics approaches of curriculum construction in Mathematics (Analyzing)	(✓) H-3	(✓) H-3	(✓) H-3	(✓) H-3	(✓) M-2	(✓) M-2	(✓) M-2	(✓) L-1	(✓) L-1	(✓) M-2	Experiential Learning/ Group Work (Cooperative Learning Strategies/ Students Presentations	Class test / Prelims/ semester End Exam
CO 4: The learner will be able to implement the strategies for working in Mathematic Laboratory & Mathematic club and for transaction of Mathematics curriculum (Applying)	(✓) M-2	(✓) M-2	(✓) M-2	(✓) M-2						(✓) M-2	Case Study/ Discussion/ Brainstorming/ Group Work	Prelims/ semester End Exam

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CO 5: The learner will be able to justify the steps involved in use of Learner Centered methods, Activity centered methods and techniques used in teaching of Mathematics (Evaluating)	(✓) H-3	(✓) H-3	(✓) H-3	(✓) H-3	(✓) M-2	(✓) M-2	(✓) M-2			(✓) M-2	Experiential learning/Prelims/ semester End Exam/Assignmen t/Brainstorming	Prelims/ semester End Exam
CO 6: The learner will be able to design lessons in mathematics using appropriate methods/approaches and design remedial teaching in mathematics (Creating)	(✓) H-3	(✓) H-3	(✓) H-3	(✓) H-3	(✓) M-2	(✓) M-2	(✓) H-3	(✓) M-2			Lesson plan submission	Assignment
Average												