

SARDAR PATEL UNIVERSITY
Programme & Subject: Bachelor of Education
Semester: I
Syllabus with Effect from: June-2013

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| Paper Code: UE01EBED04 | Total Credit: 3 |
| Title Of Paper: Method of Teaching Mathematics | |

| Unit | Description in Detail | Weightage (%) |
|------|---|---------------|
| I | Mathematicians, Values & Objectives of Teaching Mathematics Mathematicians Contribution to the Mathematics World. Indian Mathematician : Arya Bhatt Brahamagupta Shrinivasa Ramanujan Aiyanger Other Mathematicians : Eclid Pythagoras Importance and value of teaching Mathematics Importance of Mathematics in present scenario Utilitarian (Practical) value, Disciplinary value, Cultural value General & Specific Objectives of Teaching Mathematics Knowledge, Understanding, Application, Skill Interest, Attitude, Appreciation | 30% |
| II | Planning for Effective Instruction of Mathematics Planning of Teaching Mathematics Lesson Planning : Concept, Importance & Various steps Unit Planning : Concept, Importance & Various steps Methods of Teaching Mathematics Teacher - centered methods Inductive - Deductive method Analytic - Synthetic method Child - centered methods Experimental (Laboratory) method Project method Aids in Teaching Importance and Classification Graphic Aids : Graphs, Charts, Three dimensional aids : Models Projected Aids: O.H.P. Audio Visual Aids : Computer | 30% |
| III | Std. 8 : Semester - I Books Std. 9 : Semester - I Books | 40% |

