

SARDAR PATEL UNIVERSITY
Programme & Subject: Bachelor of Education (Advanced)
Semester: II
Syllabus with Effect from: June-2010

Paper Code: UE02CBEA05	Total Credit: 3
Title Of Paper: Methodology of Teaching Mathematics	

Unit	Description in Detail	Weightage (%)
I	Measurement and Evaluation Evaluation: concept, types Construction of blue print and Open Book Examination test Text-book: Importance, Characteristics, Review of the text-books of Mathematics of GSHSEB and CBSE Preparation of a diagnostic test and planning remedial work	30%
II	Co-curricular activities in Mathematics and Effective Mathematics Teacher Mathematics Club Concept Objectives Importance Activities: Exhibitions, Mathematical fair activities, etc. Organization Mathematics Laboratory Management Concept of Laboratory in Mathematics Significance of Laboratory Role of a Teacher in Laboratory Visit to a Laboratory and preparing a report Work book and its importance Effective Mathematics Teacher Mathematics Teacher- Qualifications, Qualities and Professional competencies Technology in teaching Mathematics Challenges faced in teaching of Mathematics Action research	30%
III	Mathematics: Content As per the prescribed syllabus of C.B.S.E. and G.S.E.B of std X to XII	40%

Basic Text & Reference Books:-

- G.S.E.B Text-books of Std. VIII to XII
- Sidhu K.S. (2005). Teaching of Mathematics, Sterling Publishers, Private Limited, New Delhi.
- Russel J. (2004). Teaching of Mathematics, Campus Books International, New Delhi.
- Pandey V. P. (2004). Teaching of Mathematics, Sumit Enterprises, New Delhi.
- Agrawal S. Teaching of Mathematics to Blind Students through Programmed Learning Strategies, Abhijit Publication, New Delhi.
- Ediger M. O. (2006). Teaching Mathematics successfully, Discovery Publishing House, New Delhi.
- Rao D. B. & Latha D.P.(2003). Achievement in Mathematics, Discovery Publishing House, New Delhi.
- Natraj. S. (2006). Learning To Teach , Vallabh Vidya Nagar: CVM

