

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

Paper Code: UE02EBEA04		Total Credit: 2
Title Of Paper: Computer Education		
Unit	Description in Detail	Weightage (%)
I	Introduction and fundamentals of computers: Concept of computers and its types- types of computers, classification of computers Basic organization of computers: Input devices, Output devices and control unit, memory: RAM, ROM Operating systems- Windows	20%
II	History of Computers 1st generation to present time: Its characteristics, Input device, output device, storage, languages and use	20%
III	MS Office MS Word MS Excel MS Power-point Presentation Multimedia	20%
IV	Application or use of computers in school Academic: Use of Computer in teaching learning process: using MS Office and online (CAL) Maintaining notes, Folder management, File Management, File utilities Computers in testing Setting a question paper Scoring through computer Data analysis Mail merging of different subject files Preparing a result sheet Administrative	20%
V	New trends and techniques in computer education (a brief account) Network- Types of network: LAN, MAN, WAN. Network Topologies Internet: History and development, Application, Importance, WWW- concept and its application E- Mail, concept of E- commerce Internet address, list of useful websites from UGC and NCTE, INFLIBNET, Soul Use of search engine	20%

Basic Text & Reference Books:-

- Digumarti.B.R and Moturi.R.K. (2005). Methods of Teaching Computer Science, Delhi: Discovery Publishing House
- Natraj. S. (2006). Learning To Teach, Vallabh Vidyanagar: CHARUTAR VIDYAMANDAL
- Pandey V.C. (2005). Teaching in Technology Rich Environment, New Delhi: Isha Books
- Pandey V.C. (2005). ICT in Childhood Education, New Delhi: Isha Books
- Pradeep S. and Priti S. (2004). Computer Fundamentals Third Edition, New Delhi: BPB Publication
- Sharma R.A. (2004). Essentials of Educational Technology, New Delhi: Loyal Book Department

