Course Code EDEC 228 SEMESTER – II Computer Science

Unit –I

• As per prescribed syllabus by Gujarat State Higher Secondary Board for Std. IX to XII.

UNIT- II Computer Text book , Aids & Laboratory :

- Qualities of good computer science text book –criteria for evaluation of computer science text book
- Computer Application in educational Institutions academic and non academic Research Activities Maintaining Students records.
- Importance and uses types Improvised aids for teaching mass media and its advantages Library – Exhibitions – field visits – Project and computer science club – use and advantages.
- Need for computer laboratory value of the computer science library Special features of computer lab – Setting acomputer alb – Laboratory management – Arranging practical for pupils – Evaluation of practical.

UNIT-III Evaluation :

- Concept of evaluation Need and importance types formative summative -objective based evaluation, evaluation for achievement, diagnosis and prediction.
- Tools and techniques in evaluation – Construction of different types of test :- Blue print Characteristic of a good test (Teacher made tests – standardized tests)
- Computer Aided Evaluation On line examination (diagnostic testing remedial testing online testing).

Unit – IV Practicum :

- Practice of a minimum of three skills on micro teaching
- Preparation of Lesson plan and Unit plan
- Preparation of teaching aids
- Preparation of Programmed Instruction
- Linear Programming (Minimum of 20 frames)
- Multimedia Presentation (Minimum of 20 slides)
- Preparation of transparencies
- Construction of an achievement test
- Critical analysis of content course of standard IX to XII syllabus.
- Identification and cataloguing of three websites relating to the prescribed school curriculum Comparative evaluation of any two web pages bearing on the same unit in the school curriculum

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- 2. HTML Complete. (1999). BPB Publications.
- 3. Linux Complete. (2000). BPB Publications.
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- 8. Gorden B. Davis. (1982). Introduction to computers. McGraw-Hill Publishing coy.
- 9. Harold F.O' Neli. (1981). Computer Based Instruction. Academic Press.
- 10. Joe Kraynak, and Jow Harbraken. (1997), Internet 6 in 1. Prentice-Hall of India P Ltd.
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- 20. Singh, Y. K. (2009). Teaching Practice. New Delhi: APH Publishing Corporation.
- 21. Sharma, R. N. (2008). Principles and Techniques of Education. Delhi: Surjeet Publications.
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