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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(IT) (2011 Onwards) (Sem.-5)
SYSTEM ANALYSIS AND DESIGN

Subject Code : BTIT-501

Paper ID : [A2122]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A**Q1: Write briefly :**

- a) Differentiate between Manual and Automated systems.
- b) Explain the term Real time systems.
- c) What do you mean by ERD diagrams? Explain.
- d) What do you mean by Feasibility study? Explain.
- e) Differentiate between module coupling and Cohesion.
- f) Define the term User-interface design.
- g) What do you mean by Audit of computer system usage?
- h) What is the need of system analyst?
- i) Explain the term state diagram.
- j) List two important features of DFD.

SECTION-B

- Q2: Explain in detail the basic principles of successful systems.
- Q3: Explain in detail about Maintenance activities and issues.
- Q4: Explain in brief various threats to computer system and control measures.
- Q5: Explain various Input and Output forms design.
- Q6: Explain in detail about Dynamic modeling.

SECTION-C

- Q7: What is systems development life cycle? Also discuss its various phases.
- Q8: Discuss in detail the various data and fact gathering techniques.
- Q9: Discuss the case study for developing prototype for Hospital management system.