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Total No. of Pages : 02

Total No. of Questions : 07

BCA (Sem.-2nd)
SYSTEM ANALYSIS AND DESIGN
Subject Code : BC-202 (2007 to 2010 Batch)
Paper ID : [B0206]

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 **SIX** questions carrying **TEN** marks each and students has to attempt any **FOUR** questions.

SECTION-A**I. Write briefly :**

- a) Why System Analysis is required? Give atleast two main reasons to justify your answer.
- b) Differentiate between MIS and DSS.
- c) Distinguish between strategic and operational planning.
- d) Why on-site observations are important?
- e) Distinguish between fixed and tangible costs.
- f) Give at least two advantages of top-down design.
- g) Why do we test a system?
- h) Distinguish between maintenance and enhancement.
- i) Distinguish between the logical and physical view of data.
- j) Define a recovery system.

SECTION-B

2. Discuss in detail the pros and cons of various tools of structured analysis.
3. If you were to interview a user to obtain the biographical information (age, education, years of experience on the job, and so forth) about the staff of 10 employees and you have only one hour to acquire the information, which of the following methods would you use and why?
 - a. Structured interviews using open ended questions.
 - b. Unstructured interviews of five minutes each.
 - c. Self-Administered questionnaire.
 - d. Structured interviews using closed questions.
4. Discuss the various design methodologies in detail.
5. What design specifications are considered in preparing a test plan? Explain.
6. What methods does a designer consider in file organization? What factors determine the method chosen? Be specific.
7. What activities make up the system design? How does the system design simplify the implementation?