

Roll No.

Total No. of Questions : 07]

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BCA (Sem. - 2nd)
SYSTEM ANALYSIS AND DESIGN
SUBJECT CODE : BC - 202
Paper ID : [B0206]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.

Section - A

Q1)**(10 × 2 = 20)**

- a) Why System Analysis is required? Give atleast two main reasons to justify your answer.
- b) Distinguish between interaction and interdependence.
- c) A question may be closed and open- ended. Illustrate the difference.
- d) What is a Decision Tree?
- e) Define a White Box Testing.
- f) List at least two major responsibilities of a System Analyst.
- g) Differentiate between Verification and Validation.
- h) Is interviewing an art? Justify your answer.
- i) Distinguish between direct and indirect costs.
- j) What is the importance of reporting? Name the different types of reports used in Organizations.

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Section - B**(4 × 10 = 40)**

- Q2)** What is a System? Compare various types of Systems by taking suitable examples.
- Q3)** 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.
- Q4)** Discuss the system implementation process and implementation methods in detail.
- Q5)** Describe the concept and procedure used in constructing DFDs. Use an example of your own to illustrate.
- Q6)** Specify the purpose of system testing. What performance criteria are used for system testing? Discuss.
- Q7)** Discuss in detail the various steps in Feasibility Analysis.

