

Roll No.

Total No. of Questions : 07]

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BCA (Sem. - 3rd)

SYSTEM ANALYSIS AND DESIGN

SUBJECT CODE : BSBC - 301 (2011 & Onward)

Paper ID : [B0228]

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) Define abstract system.
- b) What is input and output design?
- c) List various phases of SDLC.
- d) Define DFD.
- e) What is feasibility study?
- f) What is need of testing?
- g) List various characteristics of pseudo-code.
- h) What is decision table? How it is different from decision tree?
- i) What is verification and validation?
- j) What is post implementation maintenance?

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Section - B

(4 × 10 = 40)

Q2) What is system? What are its characteristics? Discuss various elements of a system.

Q3) Write notes on the following :

- a) Requirement Analysis.
- b) Information gathering tools.

Q4) What is documentation? Discuss its need. Explain different types of documentation.

Q5) What is unit testing? What are its characteristics? Explain how unit testing is different from system testing?

Q6) What is system maintenance? Discuss various types of system maintenance.

Q7) Explain the following :

- a) Regression Testing.
- b) File design.

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