

Roll No.

Total No. of Questions : 09]

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Paper ID [CS301]

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B.Tech. (Sem. - 5th)

SYSTEM ANALYSIS AND DESIGN (CS - 301)

MAY 2008

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

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

Section - A

Q1)

(10 × 2 = 20)

- a) Define a system.
- b) Define a sub-system.
- c) Define prototyping.
- d) What is module coupling?
- e) Define module cohesion.
- f) What is quality control?
- g) What is a class in object oriented design?
- h) What is top-down design?
- i) What is validation?
- j) List two important features of DFD.

Section - B

(4 × 5 = 20)

Q2) Explain the characteristics of a system.

Q3) What is feasibility study? Discuss its importance.

Q4) Distinguish between manual and automated systems.

Q5) Explain the various fact gathering techniques.

Q6) Explain the role of system analyst.

Section - C

(2 × 10 = 20)

Q7) Describe the tools and techniques of cost-benefit analysis.

Q8) Describe the various phases of system development life cycle.

Q9) Write short notes on the following:

(a) Class diagrams.

(b) ERD diagrams.

