

Roll No. ....

Total No. of Questions: 07]

[Total No. of Pages: 02

**B.Sc. IT (Sem. -3<sup>rd</sup>)**  
**SYSTEM ANALYSIS AND DESIGN**

**SUBJECT CODE : BS - 207**

**Paper ID: [B0412]**

[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) What are characteristics of a system?
- b) What do you mean by system boundary?
- c) Name various phases of SDLC.
- d) What is Top down design?
- e) Give guidelines for GUI design.
- f) What is audit of computer system usage?
- g) Compare static and dynamic modeling.
- h) What is structured English?
- i) Explain business process reengineering.
- j) Give principles of system documentation.

**Section - B**

**(4 × 10 = 40)**

**Q2)** Explain multifaceted role played by a system analyst.

**Q3)** Explain various types of documentation and their importance?

**Q4)** What is prototyping? How does it help in system data gathering?

**Q5)** Explain Object oriented development life cycle?

**Q6)** Discuss in detail about cost benefit analysis?

**Q7)** Compare the following (any two):

a) Testing / validation.

b) Cohesion / coupling.

c) ERD / DFD.



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