

Roll No.

Total No. of Questions : 07]

[Total No. of Pages : 02

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

(10 × 2 = 20)

Q1)

- a) What is system? Explain its characteristics?
- b) What are probabilistic and deterministic systems? Give one example of each.
- c) What is CBIS? Explain.
- d) Explain the difference between system analysis and system design.
- e) What are action and condition stub?
- f) What is Data? How it is different from information?
- g) What is system testing? What are its types?
- h) What is input and output design? Explain?
- i) What are various component of a system? Explain role of interface in system.
- j) Explain how coding is different from designing?

R-180

P.T.O.

Section - B

(4 × 10 = 40)

- Q2)** What is DFD? Draw and explain 0th level and 1st level DFD for Railway Reservation System.
- Q3)** What is System? Explain various phases of system development life cycle.
- Q4)** What is information? What are various attribute that are used to measure the quality of Information?
- Q5)** What are various data gathering tools? Explain each of them.
- Q6)** What is feasibility study? Discuss its role in SDLC. What are various types of feasibility? Explain.
- Q7)** What is role of software maintenance in system Development? Explain various types of software maintenance and their uses.

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