Roll No. ....

Total No. of Questions : 07]   [Total No. of Pages : 02

BCA (Sem. - 2ⁿᵈ)
SYSTEM ANALYSIS AND DESIGN
SUBJECT CODE : BC - 202 (N2)
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

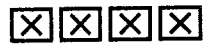**Q1)**   (10 × 2 = 20)

a) Define the word system and give atleast three examples of common systems.

b) Explain the job roles of users and analysts as they relate to business systems.

c) What are the important rules for drawing a data flow diagram?

d) Explain the different stages of an interview.

e) Which factors will management usually take into account before allowing an analyst to proceed with a detailed analysis?

f) What are the major advantages of Data Dictionaries?

g) Explain the different types of reports used in organizations.

h) What is the difference between verification and validation?

i) What are the elements of a file design?

j) Describe the three types of tests that a new system must pass.

Section - B

(4 × 10 = 40)

Q2) (a) Explain the management's responsibilities within the system processes.

(b) Discuss how does Gantt chart helps in managing the system process.

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Q3) (a) Explain the advantages of documentation and training manual.

(b) Discuss in brief six stages of certification.

Q4) Write in detail about Master File, Transaction File, Back-up File, Scratch File and Suspense File.

Q5) Discuss in detail (atleast 20) guidelines for Designing Data-Entry Screens.

Q6) Do a detailed analysis for a Hotel Management System.

Q7) Write short notes on following :

(a) Decision Tree.

(b) Guidelines for Output Design.

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