

B.C.A.- II CBCS Pattern Semester-III
UBCAT304 - Paper-IV : System Analysis & Design

P. Pages : 2

Time : Three Hours



GUG/W/23/11760

Max. Marks : 40

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labelled diagram and use supporting data wherever necessary.
3. Avoid vague answers and write answers related to question.

Either

1. a) What is system ? What are the elements of system. 4
b) Explain system development life cycle. 4

OR

- c) List various duties to be performed by system analyst. 4
d) State various advantages and disadvantages of SOLC prototyping. 4

Either

2. a) Write a note on initial investigation phase. 4
b) Differentiate between structured and unstructured interview. 4

OR

- c) Explain the following : 4
i) On site observation
ii) Record Inspection
d) Explain DFD with its components and features. 4

Either

3. a) What are the types of process design ? Explain. 4
b) Explain the following 4
i) One time cost
ii) Recurring cost

OR

- c) List the various steps involved in system design. 4
d) Explain audit considerations. 4

Either

4. a) What are the factors that affects the organization of a file. 4

b) What is testing ? Why it is needed ? 4

OR

c) What are the different phases of system documentation. 4

d) What is the role of data processing auditor. 4

5. Solve all the questions.

a) Explain physical or abstract system. 2

b) Explain any one tool for structured analysis. 2

c) What are the basic principles to design a form. 2

d) What are the levels of Quality Assurance. 2
