

B.C.A. - II (CBCS Pattern) Sem-III  
**UBCAT304 - Paper-IV : System Analysis & Design**

P. Pages : 1

Time : Three Hours



**GUG/W/22/11760**

Max. Marks : 40

- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagrams wherever necessary.
  3. Avoid vague answers and write answers relevant and specific to questions only.

Either:

1. a) Define System. Explain the various elements of system. 4
- b) Explain seven stages of SDLC? 4

**OR**

- c) What is meant by System analyst? Explain the role in the system development. 4
- d) What will be the future trends in software development? 4

Either:

2. a) What are the sources of information gathering? Explain in details? 4
- b) Differentiate between structured & unstructured interviews. 4

**OR**

- c) What do you mean by feasibility study? Explain in detail? 4
- d) Explain decision table. Write the merits and demerits of decision table. 4

Either:

3. a) What do you mean by cost and benefit analysis? 4
- b) Explain the factors of input design in detail. 4

**OR**

- c) Explain the factors of output design in detail. 4
- d) What is form? Explain the factors which should be considered in form design? 4

Either:

4. a) What are the devices used in file processing? Explain their advantages and disadvantages. 4
- b) Define testing and State the objective of system testing. 4

**OR**

- c) Write the levels of Quality Assurance in brief. 4
- d) What is documentation? List the type of documentation? 4

5. Attempt **all** the questions.

- a) Write a short note on types of system. 2
- b) Discuss the importance of Data Dictionary. 2
- c) Discuss the importance of process design. 2
- d) Explain various types of file organization? 2

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