

B.Sc. (Information Technology) - I First Semester (Old)  
**1BIT6 - Paper-VI : System Analysis And Design**

P. Pages : 2

Time : Three Hours



**GUG/W/18/1425**

Max. Marks : 80

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

**1. EITHER.**

- a) What is system? Explain candidate system in detail. **8**
- b) What is meant by analyst? Explain his role in the system development. **8**

**OR**

- c) What do you mean by SDLC prototyping? State the advantages of prototyping? **8**
- d) What is system element? Explain different types of man-made information system. **8**

**2. EITHER.**

- a) What are information gathering tools? Explain any two in details. **8**
- b) What are the pros and cons of tools of structured Analysis? **8**

**OR**

- c) Differentiate between structured & unstructured interviews. **8**
- d) Explain feasibility study and system performance in detail. **8**

**3. EITHER.**

- a) What is cost Benefit Analysis? Explain direct as indirect and fixed as variable cost and Benefits. **8**
- b) Explain input Design and output Design in details. **8**

**OR**

- c) Define form? Explain different types of form. **8**
- d) Explain the following. **8**
  - i) Process of Design.
  - ii) Data Analysis.

- 4. EITHER.**
- a) What is Quality Assurance? Also explain levels of Quality Assurance in detail. **8**
  - b) Explain various types of file organization. **8**
- OR**
- c) What is documentation? List the types of documentation in detail. **8**
  - d) Define testing and state the objectives of system testing. **8**
- 5. Solve all the questions.**
- a) List the limitations of SDLC. **4**
  - b) What do you mean by Initial Investigation? **4**
  - c) What is data flow diagram? Explain different symbols of DFD with examples. **4**
  - d) Explain in short. **4**
    - i) Validation
    - ii) Verification.

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