

B.Sc. IT Semester 4 Examination

Paper No.: -401

Paper Code: - 4787

Time: 2 Hours 30 Minutes

Paper Name:- System Analysis and Design

Maximum Marks 70

Q-1 Attempt the following questions.

- 1) Define System. Explain elements of system. [07]
- 2) Write a note on role of system analyst. [07]

OR

Q-1 Attempt the following questions.

- 1) Explain types of system in detail. [07]
- 2) What is Information System? Write a short note on TPS. [07]

Q-2 Attempt the following questions.

- 1) What is Feasibility Study? Write a short note on Feasibility Study. [07]
- 2) Explain system design phase of SDLC. [07]

OR

Q-2 Attempt the following questions.

- 1) Write a note on cost-benefit analysis. [07]
- 2) Explain implementation and evaluation phase of SDLC. [07]

Q-3 Attempt the following questions.

- 1) Differentiate between SDLC and SSADM. [07]
- 2) What is SSADM? Explain advantages and disadvantages of SSADM. [07]

OR

Q-3 Attempt the following questions.

- 1) Explain structured analysis in detail. [07]
- 2) Explain 5'c for initiating project. [07]

Q-4 Attempt the following questions.

- 1) Write a short note on fact-finding technique. [07]
- 2) Write a note on different testing technique. [07]

OR

Q-4 Attempt the following questions.

- 1) What is output design? Explain different types of presenting the information in output design. [07]
- 2) Write a short note on data validation and verification. [07]

Q-5 Attempt the following questions.

- 1) Write a short note on data dictionary. [07]
- 2) Explain HIPO chart in detail. [07]

OR

Q-5 Attempt the following questions.

- 1) What is Decision Table? Draw the physical layout of Decision Table along with example. Write advantages and disadvantages of Decision Table. [07]
- 2) Draw the Context Diagram, Zero Level and First Level Diagram of College Payroll System. [07]