

(for candidates admitted from 2016 - 2021 Batch)
B.Sc. DEGREE EXAMINATION, NOVEMBER 2023
PART III – Computer Science- Major Based Elective
SYSTEM ANALYSIS AND DESIGN

Time: Three Hours

Maximum: 75 Marks

PART A – (10 x 2 = 20)

Answer ALL Questions

1. Define system development.
2. Write the roles of project team.
3. Define system analysis.
4. What is Data modelling?
5. Elucidate the steps to moving from logical to physical model.
6. Write the data storage formats.
7. Define system testing.
8. Abbreviate PERT & GANTT
9. Pen down the roles of DSS.
10. Define knowledge management system.

PART B – (5 x 5 = 25)**Answer ALL questions, CHOOSING EITHER (a) or (b) in each.**

11. a. Explain the SDLC methodologies. (or)
b. Elucidate the work plan creation in planning phase.
12. a. Discuss the importance of business process automation. (or)
b. Describe the data flow diagram with an example.
13. a. Elaborate the User interface. (or)
b. Enumerate data storage design.
14. a. Brief the steps in developing documentation. (or)
b. Bring out the importance of PERT & GANTT chart.
15. a. Discuss MIS planning. (or)
b. Describe the role of DSS.

PART C – (3 x 10 = 30)

Answer any THREE questions.

16. Enumerate the roles and skills required in a project team.
17. Explain the concept of data modelling and ER diagram.
18. Discuss the steps in designing phase.
19. Describe the system testing and developing documentation in implementation phase.
20. Elucidate DSS and knowledge management system.
