GIIT PROFESSIONAL COLLEGE

(Affiliated to KOLHAN UNIVERSITY, Chaibasa)

| **Question Bank** | | **Course** | : | **BSc. IT – 1st Year** |
| **Subject Code** | : **IT01A GROUP B** | **Subject** | : | **SYSTEM ANALYSIS AND DESIGN** |

All questions carry equal marks.

1. a. Define system. Give examples.
2. b. Explain the features of a system.
3. Elaborate the different types of systems
4. Distinguish between
5. a. Interaction and interdependence   b. Physical and abstract systems
6. c. Open and closed systems   d. Schematic and static system models
7. What categories of information are relevant to decision making in business? Relate each category to the managerial level and an information system.
8. Discuss the concept of MIS and DSS. How are they related? How do they differ?
9. What is System Development Life Cycle?
10. What is the difference between analysis and design? Explain.
11. How would an analysis determine the users' needs for a system? Explain.
12. Distinguish between initial investigation and feasibility study. In what way are they related..
13. What is testing? How is testing different from evaluation.
14. Why is it difficult to determine user requirements? b. What is the purpose of preliminary investigation?
15. What is the importance of feasibility study? Briefly discus the various steps in Feasibility Analysis
16. What is the difference between analysis and design? Explain.
17. What are several considerations in deciding on a candidate system? Explain importance
18. Draw a data flow diagram for Library Information System
19. What is the importance of feasibility study? Briefly discus the various steps in Feasibility Analysis.
20. Distinguish between the following:
    a. Direct and indirect costs
    b. Fixed and variable costs
    c. Tangible and intangible benefits
    d. Opportunity and sunk costs
a. What considerations are involved in feasibility analysis? Which consideration is the most Crucial? Why?
21. Describe the concept and procedure used in constructing DFDs. What basic rules are relevant to constructing DFD?
22. What points should be considered in constructing a data dictionary. Be specific.
23. What are the various cost benefit evaluation methods? Briefly explain.
24. Explain Coupling & Cohesion
25. Explain different steps of a system development life cycle with suitable examples.
26. How you can use CPM tool for system development life cycle?
27. Write short notes on the following: a) Data flow diagram b) Software Testing c) Data Dictionaries d) CPM
28. (a) Explain the following phase of a system development life cycle: i) Analysis ii) Database Design   iii) Testing   iv) Maintenance.
29. How you can use "PERT" tool for system development life cycle?
    (a) Design Dataflow Diagram for online shopping. (b) Design E-R Diagram for Library Management System.