

**First Year B.C.A ( Semester - II ) Examination**  
**Paper - 15BCA112**

**System Analysis & Design And MIS**

Time : Three hours]

[Full Marks - 60

- N.B. :**
- i) All questions carry equal marks
  - ii) Question No. 1 is compulsory.
  - iii) Due credit will be given to neatness & adequate dimensions.
  - iv) Assume suitable data wherever necessary.
  - v) Use Blue/Black ink/refill only for writing the answer book.
- Q.1 Solve the following using correct option. 5
- a) Programmers refers to the goal of solving a problem as the \_\_\_\_\_
    - i) Inputs
    - ii) Outputs
    - iii) Processing
    - iv) Purpose
  - b) A graphic representation of an information system is called \_\_\_\_\_
    - i) Data Flow diagram
    - ii) Flow chart
    - iii) Pictogram
    - iv) Histogram
  - c) \_\_\_\_\_ includes review of the existing procedures & information flow.
    - i) Feasibility study
    - ii) Feasibility Report
    - iii) System Design
    - iv) System Analysis
  - d) The first step in implementation phase is \_\_\_\_\_
    - i) Software requirements
    - ii) Implementation Report
    - iii) Implementation Planning
    - iv) None
  - e) Top Level managers use \_\_\_\_\_
    - i) Strategic information
    - ii) Tactical information
    - iii) Operational information
    - iv) None

- Q.2 a) What is System ? Explain types of system. 5  
b) Explain various tools of fact finding with suitable examples. 6

OR

- Q.3 a) Explain the phases in system life cycle. 6  
b) Explain the role of system analyst with its responsibility. 5
- Q.4 a) What is DFD ? And explain rule for DFD. 6  
b) Explain CASE technology in detail. 5

OR

- Q.5 a) What is System Model ? Explain process model in detail. 5  
b) Explain the leveling DFD with proper examples. 6
- Q.6 a) Explain: 6  
i) 4 GL's ii) 3 GL's  
b) Explain guidelines for output design. 5

OR

- Q.7 a) Explain the types of database in detail. 6  
b) Explain Software design in brief. 5
- Q.8 a) What is Management control ? Explain rules for management issues. 6  
b) Explain how to schedule & assigning a task in implementation or system ? 5

OR

- Q.9 a) Explain system maintenance activities in brief. 5  
b) Explain: 6  
i) System Testing  
ii) Unit Testing  
iii) Black box Testing

- Q.10 a) Explain types of management information system. 6  
b) What is meant by structure decision making ? Explain in brief. 5

OR

- Q.11 a) What is management information system ? And explain nature & scope of information system. 6  
b) Explain how user training and planning is done in MIS with proper example. 5

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