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Bachelor of Computer Applications 3rd Semester

(2124)

INFORMATION SYSTEM DESIGN AND

IMPLEMENTATION

Paper : BCA-16-303

Time Allowed : Three Hours]

[Maximum Marks : 65

Note :— The students are required to attempt *one* question each from Sections A to D and the compulsory question.

SECTION—A

1. (a) Define System. Discuss its characteristics. 7
- (b) Explain roles of a system analyst. 6
2. Explain System Development Life Cycle along with block diagram in detail. 13

SECTION—B

3. Explain System Planning and Initial Investigation process in detail. 13

4. (a) Discuss Decision Tree and Decision Table as structured analysis tools. 7
- (b) Concept of Data Dictionary. 6

SECTION—C

5. Briefly explain the steps in feasibility analysis. Discuss technical & economic feasibility study. 13
6. (a) What do you mean by structured design ? Explain functional decomposition as design methodology. 7
- (b) What is Quality Assurance ? Explain its various levels for System development. 6

SECTION—D

7. Discuss system implementation and maintenance activities in detail. 13
8. (a) What do you mean by user training ? Discuss its elements. 7
- (b) Discuss procedures for hardware and software selection. 6

(Compulsory Question)

9. (a) What is DFD ? 2
- (b) What do you mean by audit trail ? 2
- (c) Logical and Physical Design. 2
- (d) Explain fact finding techniques. 2
- (e) On-site Observation. 2
- (f) Differentiate Structured and Un-structured Interviews. 3