

(i) Printed Pages : 3

Roll No.

(ii) Questions : 9

Sub. Code :

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Exam. Code :

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Bachelor of Computer Applications 3rd Semester

(2123)

INFORMATION SYSTEM DESIGN AND IMPLEMENTATION

Paper : BCA-16-303

Time Allowed : Three Hours]

[Maximum Marks : 65

Note :— Attempt **ONE** question from each unit and compulsory Question No. 9.

UNIT—I

1. (a) Draw difference among physical, open and closed systems in detail. 7
- (b) Which are the basic skills a system analyst should possess ? 6
2. (a) How are the various phases implemented for well-developed software ? 7
- (b) Which are the various boundaries and interfaces for Information System Environment ? 6

UNIT—II

3. (a) How is system planning carried-out along with its initial investigation ? 7
- (b) How can one perform structured analysis DFDs and Data dictionary ? Explain its Pros and Cons also. 6
4. (a) How are Project Initiation, Fact-finding and Fact analysis carried-out ? Explain. 7
- (b) Explain Decision Trees and Decision Tables along with their Pros and Cons. 6

UNIT—III

5. (a) How is feasibility study carried-out to hand-over the best performance ? Explain. 7
- (b) Explain various phases of system design. 6
6. (a) How do you judge system performance by defining its various constraints and feasibility of the system ? 7
- (b) How is System Testing carried-out to deliver best quality ? 6

UNIT—IV

7. (a) How can you plan for the best implementation of a software ? 7
- (b) Which are the various criteria for system selection ? Also explain its evaluation process. 6

8. (a) Define software maintenance. Explain its primary activities in detail. 7
- (b) Explain various types of software along with vendor selection and post-installation review. 6

COMPULSORY

9. Explain :
 - (a) User Training 3
 - (b) Maintenance Cost 2
 - (c) Trends in Testing 2
 - (d) Logical Design 2
 - (e) Structured English 2
 - (f) Man-made information system. 2