

(i) Printed Pages: 2

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(ii) Questions : 9

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Exam. Code :

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Bachelor of Computer Applications 3rd Semester
(1129)

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 from each Section (A to D) and the compulsory question.

SECTION—A

1. What is the software development life cycle ? Explain its steps in detail. 13
2. (a) Elaborate the technical and interpersonal skills required for system analysts. 7
(b) Differentiate between open and closed system. 6

SECTION—B

3. (a) Explain on the top-down approach to system planning—what it means, its uses and its implication for system development. 7
(b) “A data dictionary is a structured repository of data about data.” Discuss. 6
4. (a) List and illustrate the primary uses and elements of a decision table. 7
(b) Why is it difficult to determine user requirements ? Illustrate. 6

SECTION—C

5. (a) Elaborate on the steps taken in system testing that lead to the user's acceptance of the system. 7
- (b) Distinguish between logical and physical design of a system. 6
6. (a) What makes up a feasibility report ? How would you change it ? Explain. 7
- (b) What levels of quality assurance must a system meet ? Explain. 6

SECTION—D

7. (a) Explain the major activities in conversion. Which activity is the most important ? Why ? 7
- (b) Discuss the sources of information used in evaluating hardware and software. Which source do you consider the most reliable ? Why ? 6
8. (a) Briefly explain the procedure and make-up of the post-implementation review. 7
- (b) Elaborate on the major phases in software selection. 6

(Compulsory Question)

9. (a) What are the various elements of system environment ? 3
- (b) Differentiate between reliability and security. 2
- (c) What are the primary steps in interviewing ? 2
- (d) What is rapport ? 2
- (e) Differentiate between HIPO and IPO. 2
- (f) What is the FM concept ? 2