

(i) Printed Pages : 3

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(ii) Questions : 9

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**Bachelor of Computer Applications 3rd Semester**  
**1128**

**INFORMATION SYSTEM DESIGN AND**  
**IMPLEMENTATION**  
**Paper-BCA-16-303**

**Time Allowed : 3 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. (a) Describe briefly various roles played by system analyst.  
7  
(b) What is the difference between analysis and design of a system ? Can one begin to design without analysis ? Why?  
6
2. What are the various ways of classifying a system ? Explain each of them in detail.  
13

**SECTION-B**

3. (a) What planning dimensions determine information system development ? Elaborate.  
7

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**[Turn over**



(b) Explain the difference between :

- (i) structured and unstructured interviewing
- (ii) open ended and closed questions. Give an example of each. 6

4. (a) Describe the concept and procedure used in constructing DFDs. Use an example of your own to illustrate. 7

(b) What is the difference between managerial and operational MIS planning ? Discuss. 6

### SECTION-C

5. (a) Elaborate on the steps in feasibility analysis. 7

(b) Define structured design. What is the goal of the functional decomposition approach to structured design ? 6

6. (a) What design methodologies are used in System design ? Explain. 7

(b) What levels of quality assurance must a system meet ? Explain. 6

### SECTION-D

7. (a) What is software implementation ? How does it differ from conversion ? Elaborate. 7

(b) Elaborate on the major phases in software selection. 6



8. (a) What are the primary activities of a maintenance procedure? 7
- (b) What software criteria are considered for selection ?  
Summarize. 6

**(Compulsory Question)**

9. (a) What is feasibility study of a system ? 2
- (b) Differentiate between physical and abstract system. 2
- (c) What is stress testing ? 2
- (d) Differentiate between decision table and structure chart with  
example. 3
- (e) What is MTBF ? 2
- (f) What training aids are used for training users on new system? 2