

No. of Printed Pages : 03

Roll No.

BB-685

M.C.A. EXAMINATION, Dec. 2017

(Second Semester)

(B. Scheme) (Re-appear Only)

MCA-408

INFORMATION SYSTEM

ANALYSIS AND DESIGN

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

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P.T.O.

Unit I

1. (a) What is the purpose of a feasibility study ? List any *five* feasibility considerations. **10**
(b) Write *five* qualities of a successful system analyst. **5**
2. (a) What is structured analysis ? How is it related to fact finding techniques, such as interview and questionnaire. **10**
(b) List any *five* symbols used in data flow diagrams. **5**

Unit II

3. Distinguish between transaction systems and decision requirements. What relation exists between them. How do organization-wide requirements affect them ? **15**
4. (a) How are redundancies and contradictions in a decision table found ? How are they removed ? **8**
(b) What is “Trigger” ? Why is it of concern for system analyst ? **7**

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Unit III

5. (a) What are design strategies ? What do they consist of ? **7**
(b) What is Deliverable ? What is the design book and what is its purpose ? **8**
6. What is a layout ? What is its use in output design ? Can it be used for both printed and displayed output ? Explain. **15**

Unit IV

7. List all the categories of diagrams used in object oriented system design approach. Give one example of each. **15**
8. (a) Write four challenges faced by designers of object oriented system as compared to traditional systems. **8**
(b) Discuss the affect of cohesion and coupling on the complexity of the system. **7**

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