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Roll No

MCADD-403

M.C.A. (Integrated), IV Semester

Examination, June 2020

System Analysis and Design

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Briefly explain SDLC cycle.
b) What are different ways are adopted by an analyst to gather information about system?
2. Construct DFD for library management system.
3. a) What do you understand by cost benefit analysis?
b) Describe the process of system design.
4. a) What is the goal of input and output design?
b) What is a form? How much instruction does a form need? Explain each in brief.
5. a) Discuss the role and importance of Database Administrator.
b) Briefly explain feasibility analysis. What considerations are involved in feasibility analysis?

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6. Write short note on:
 - a) Implementation and conversion
 - b) Decision tree and structured English

7. Explain difference between:
 - a) Indexed sequential and inverted list
 - b) Logical and Physical record
 - c) Data item and field
 - d) Absolute address and relative address

8. a) Review the primary activities of maintenance procedure.
b) “Hardware selection requires the analysis of several performance categories” Briefly explain each category. Which category or categories is/are important and why?

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