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Roll No

MCADD-403

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

Examination, June 2022

System Analysis and Design

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Explain System concept. What are the elements of a system?
b) List different steps of system development life cycle approach.
2. a) What is the role of system Analyst/user Interface.
b) Explain system development life cycle (SDLC) in detail.
3. a) Discuss various information gathering tools.
b) Explain various types of risks. Also discuss risk management techniques and activities.
4. a) List down the pros and Cons of each information gathering tools.
b) What is DSS? Explain applications of DSS? What is the difference between MIS and DSS?

5. a) Explain the following:
 - i) Data Dictionary
 - ii) Decision Tree
- b) Explain briefly the objective of input design.

6. a) Compare Top down and Bottom up design approaches.
- b) Write a brief note on File structure and File organization.

7. a) What are the major drawback of file system for storing large volume of data pertaining to an application.
- b) Discuss the methods of software maintenance.

8. 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
