MCADD-403

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

Examination, November 2019

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) Describe the role of a system analyst.

   b) What is Prototyping? Explain major steps of prototyping.

3. a) What do you mean by Information gathering tools? Write in brief about them.

   b) Write a note on feasibility study. Describe different types of feasibility that are tested in system development process.

4. a) What is the purpose of initial investigation of the system? Which tools are used in it?

   b) What is structured System Analysis?

5. a) Explain Cost/benefit analysis. Describe a method used for performing cost/benefit analysis.

   b) What is the goal of input and output design? How personel are allocated in system 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 is the importance of Normalization in data base design? Write different forms of normalization.
   b) Write in brief about the following:
      i)   Software maintenance
      ii) Quality assurance

8. a) Write a detailed note on Disaster recovery planning.

   b) What is meant by threat and risk analysis? List various security threats faced by a computer based system.

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