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M.Sc. (Semester-IV) Examination, 2022

COMPUTER SCIENCE

(System Design and Software Engineering)

Time Allowed : Three Hours

Maximum Marks : 70

Minimum Passing Marks : 25

Note : Attempt all the **five** questions. One question from each unit is compulsory. All questions carry **equal** marks.

UNIT - I

1. Write a short note about System Development Life Cycle. [14]

OR

Explain feasibility study report in brief.

UNIT - II

2. Explain the following : [14]

   (i) DFD

   (ii) Pseudo Codes

OR

Write a short note about Input and Output Form Design Methodologies.

UNIT - III

3. Write a short note about software development paradigms. [14]

OR

Explain the following :

(i) SRS Document

(ii) Software Analysis

UNIT - IV

4. What are major steps and standards for a good system design? [14]

OR

Explain various constrained to system design with example.

UNIT - V

5. What is meant by Software Quality Assurance? Explain types of software testing. [14]

OR

Write a short note about software project management.

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