No. of Printed Pages—2

1015 (M3SAD)

[21-HRPD3SN-22J]

MScIT 3rd Semester (New) Exam., 2021 (W)

SYSTEM ANALYSIS AND DESIGN

[MScIT S3-04]

Full Marks : 70

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Answer any *five* of the following questions : 2×5=10

(a) Define system.

(b) Define cohesion and coupling.

(c) Define data integrity.

(d) Define data normalization.

(e) What are the phases associated with SDLC?

(f) Define project scheduling.

2. Answer any *four* of the following questions : 3×4=12

(a) What is documentation? Explain the uses of documentation.

(b) How to resolve conflict during project management?

(c) What is input design? What are its objectives?

(d) Explain activity network for system testing.

(e) How are interview and questionnaires used in information gathering process?

3. Answer any *four* of the following questions : 6×4=24

(a) Why is feasibility study required? What are the three main issues associated with feasibility study?

(b) Explain logical design and physical design of a system.

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(c) Explain the steps that are used in initial investigation.

(d) In what purpose, decission tree is used? Explain.

(e) What are the uses of Gantt chart and PERT chart? Explain.

4. Answer any *three* of the following questions : 8×3=24

(a) Explain the role of a system analyst.

(b) What is data flow diagram? Explain the fundamental notations used to draw a data flow diagram.

(c) Describe the procedure for cost/benefit determination.

(d) Explain the characteristics of a good software requirement specification.

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