S.No. 3092 P 16 ITE 4 A

(For candidates admitted from 2016-2017 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2022.

Information Technology – Elective

SOFTWARE ENGINEERING

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. Define software.

2. Name the Evolutionary process models.

3. What is software project management?

4. List the different stages of project life cycle.

5. What are the advantages of Prototype model?

6. Define analysis patterns of requirement engineering.

7. Write about the types of project plan.

8. What are the types of static testing tools?

9. List the levels of Testing or Phases of testing.

10. Define System testing.

PART B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b)

11. (a) Explain about the Engineering approach in software engineering.

Or

(b) Write short note on tools and techniques for professional modelling.

12. (a) Explain effort estimation in managing the project.

Or

(b) Explain the project plan in project of software engineering.

13. (a) Write short note on expressing requirements.

Or

(b) Write short note on measuring requirements.

14. (a) What is design and techniques for improving design?

Or

(b) Explain programming standards and procedures.

15. (a) Write short note on testing strategies for oriented software.

Or

(b) What are the testing strategic issues in software engineering?

PART C — (3 × 10 = 30)

Answer any THREE questions.

16. Briefly explain the meaning of process and software process models.

17. Write in detail about project personnel and project plan.

18. Write in detail about measuring requirements and choosing a requirements specification techniques.

19. Briefly explain the programming standards and procedures.

20. Briefly explain McCall's quality factors in detail.

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