M.Sc DEGREE (CSS) SPECIAL REAPPEARANCE EXAMINATION, APRIL 2025

Third Semester

CORE - CA500301 - SOFTWARE ENGINEERING

M.Sc COMPUTER SCIENCE,M.Sc COMPUTER SCIENCE(Aided)

2019 ADMISSION ONWARDS

20296270

Time: 3 Hours   Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. What is CMMI?

2. What is a unified process?

3. Define Use-Case Diagram.

4. What is an Activity Diagram?

5. Differentiate Structured Analysis and Object Oriented analysis

6. Write short note on Association and Dependencies.

7. Write short note on Data centered architecture.

8. What is Stress Testing?

9. What is meant by direct and indirect measures?

10. Write short note on the structure of estimation models.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Describe the principles apply equally to all forms of communication that occur within a software project.

12. Write a note on component based development model.

13. What is Product Backlog & Sprint Backlog?

14. Draw and briefly explain Deployment Diagem.

15. Explain the Swimlane diagram that supplements the UML diagram.

16. Explain the two types of Behavioral representations.

17. Explain black-box testing.

18. Describe how to mitigate risk?

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. Explain the features of prototyping model.

20. What are the new practices that are designed to ensure an XP project works successfully? Explain.

21. Explain the different requirement elicitation techniques.

22. Describe component based development.

(2×5=10 weightage)