25022620

Reg No : ....

Name : ....

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

Third Semester

M.Sc CYBER FORENSICS

ELECTIVE - CF800301 - ADVANCED SOFTWARE ENGINEERING

2019 ADMISSION ONWARDS

9B9D5DA2

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. Write short note on RUP?

2. Who all are the users of requirement document?

3. What are the advantages of explicitly designing and documenting software architecture?

4. What is a transaction processing system?

5. Write short note on different levels of software reuse.

6. What is software evolution? Why it is important in software engineering?

7. What are the issues in distributed system engineering?

8. What are the two architectural models of two tier client server architecture?

9. What are the advantages and disadvantages of plant driven development?

10. What are the different types of project estimation techniques?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Explain incremental delivery.

12. What is a sequence diagram? Explain.

13. Explain layered architecture with example.

14. What are the ways to identify object classes in object oriented system?

15. Compare alpha beta and acceptance testing.

16. Explain reuse landscape in detail.

17. Explain component interface with diagram and example.

18. What are the different stages of service interface design?

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. Explain structural models in detail.

20. Explain software testing process and different stages of testing in detail.

21. Explain software product line and its architecture with an example.

22. Explain risk management process in detail with diagram.

(2×5=10 weightage)