SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2023
(Regular/Improvement/Supplementary)

COMPUTER SCIENCE
FCSS2C10-PRINCIPLES OF SOFTWARE ENGINEERING

Time: 3 Hours   **Maximum Weightage: 30**

Section A: Short answer questions. Answer any *four* questions. Each carries 2 weightage.

1. What is functional cohesion?

2. Explain the golden rules of user interface design.

3. Write a short note on the different activities in SDLC.

4. What is unit testing?

5. Explain the benefit of literature reviews.

6. Elaborate on Time Management in Project Management.

7. What is project preparation?

(4 × 2 = 8 weightage)

Section B: Short essay questions. Answer any *four* questions. Each carries 3 weightage.

8. What do you mean by system testing? Explain each type of system tests.

9. Describe web app interface design in detail.

10. What are the major challenges in developing a software?

11. Explain different types of coupling?

12. Discuss the key points of literature survey.

13. What are the different research problems?

14. Explain different process models in software engineering.

(4 × 3 = 12 weightage)

Section C: Essay questions. Answer any *two* questions. Each carries 5 weightage.

15. What is research report? Explain its importance and structure.

16. Give a detailed account on Level-1 DFD of college result management system.

17. Discuss the Waterfall model with diagram.

18. What is test plan in software engineering? Explain different steps for creating an effective test plan.

(2 × 5 = 10 weightage)