SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2021
COMPUTER SCIENCE
FCSS2C07-OPERATING SYSTEM CONCEPTS

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

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

1.   Explain thread state with neat diagram.

2.   Define process creation.

3.   Define semaphore.

4.   What you mean by priority inversion.

5.   Define fragmentation and its type.

6.   Distinguish between dynamic loading and dynamic linking.

7.   Features of IOs and android.

(4 × 2 = 8 weightage)

Section B: Short Essay Question. Answer any *four* questions. Each carries *three* weightage

8.   Distinguish between process and thread.

9.   How deadlock can be prevent.

10.   Explain resource allocation graph.

11.   Write about deadline scheduling.

12.   Discuss design issues of multiprocessor scheduling.

13.   Briefly explain segmentation.

14.   Define RPC.

(4 × 3 = 12 weightage)

(PTO)

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

15. Define process. Explain five state model.

16. Explain deadlock detection and recovery mechanism.

17. Explain any five uniprocessor scheduling with suitable example.

18. Write a short not about contiguous memory allocation technique.

19. Explain service oriented architecture.

(2 × 5 = 10 weightage)