22102826

QP CODE: 22102826

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR EXAMINATIONS, AUGUST 2022

Fourth Semester

B.Sc Mathematics Model II Computer Science

Vocational Course - CA4VOT04 - COMPUTER SCIENCE - OPERATING SYSTEM

2020 Admission Only

9693C93F

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is mainframe OS?
2. What is distributed OS?
3. What is real time OS?
4. Define process Control Block.
5. What is multilevel feedback queue?
6. Define safe state conditions in deadlocks.
7. What is multiple partition allocation?
8. Define STBR and STLR in segmentation.
9. What is a file structure?
10. What is the structure of a typical file systems?
11. What do you mean by deniel of service?
12. Define virus.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. How can we view an OS in different ways?
14. Explain the objectives of an operating system.
15. Explain (1)throughput (2)turn around time (3)waiting time (4)response time.
16. What is the difference between request use and release in deadlock?
17. Explain swapping.
18. Explain the structure of a page table.
19. Explain any two types of directory.
20. Explain the use of encryption.
21. How can we deal with threat monitoring?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain Operating systems with its functions.
23. Explain any five scheduling algorithms in details.
24. What is a file?Explain the file attributes and file operations.
25. What is protection?Explain it with goal,principle and access matrix implementations.

(2×15=30)