



K18U 1093

Reg. No. :

Name :

IV Semester B.C.A. Degree (CCSS – Supplementary) Examination, May 2018
(2012 and '13 Admissions)
Core Course
4B09 BCA : OPERATING SYSTEMS

Time : 3 Hours

Max. Weightage : 21

SECTION – A

Answer **all** questions. Weightage for **a** bunch of **four** questions is **1**.

1. Thread is a _____
2. Process is an _____
3. Multiprogramming is possible because of _____
4. Special processors that execute channel programs are called _____
5. Paging suffers from _____
6. SFS is _____
7. Father of Linux is _____
8. A _____ maintains a database showing status and connections of a device. (2×1=2)

SECTION – B

Answer **any 5** questions. Weightage **1 each**.

9. What is buffering ?
10. What is an interrupt ?
11. What is mutual exclusion ?

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12. What is a segment table ?
13. What are device handlers ?
14. How does a deadlock occur ?
15. List the functions of a process scheduler.
16. What is a multiprogramming system ? (5×1=5)

SECTION – C

Answer **any five** questions. Weightage **2 each**.

17. Explain functions of a job scheduler.
18. Explain the conditions to avoid deadlocks.
19. Explain about channel and control units.
20. Explain segmentation and the hardware used for it.
21. Explain how interrupts are handled by a system.
22. Explain the BFS model.
23. What is partitioned allocation ?
24. What is a time sharing system ? (5×2=10)

SECTION – D

Answer **any one** question. Weightage **4**.

25. Explain deadlock handling techniques.
 26. Discuss about the role played by an operating system. (1×4=4)
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