



K17U 0800

Reg. No. : .....

Name : .....

IV Semester B.C.A. Degree (CCSS-Supple./Imp.) Examination, May 2017  
Core Course  
4B09 BCA : OPERATING SYSTEMS  
(2013 and Earlier Admissions)

Time : 3 Hours

Max. Weightage : 21

SECTION – A

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

1. An exceptional situation raised by a situation outside the CPU is called
2. A system that processes jobs without intervention of a user is called a
3. Preemption helps in breaking
4. The privilege mode of Linux is called
5. Segmentation suffers from
6. TLB stands for
7. BFS is
8. Fixed and dynamic partitions suffer from (2×1=2)

SECTION – B

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

9. What is an interrupt ?
10. What is a real time system ?
11. What are deadlocks ?

P.T.O.

K17U 0800



12. What is a I/O device handler ?

13. What is a thread ?

14. Define a process.

15. What is paging ?

16. What is a page fault ?

(5×1=5)

### SECTION – C

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

17. Differentiate between a thread and a process.

18. Why is an operating system called a resource manager ?

19. Explain demand paging.

20. Explain the BFS model.

21. What is variable partition allocation ?

22. Explain segmentation.

23. Explain the advantages of Linux Operating System.

24. Explain the working of a I/O scheduler.

(5×2=10)

### SECTION – D

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

25. Compare the various types of operating systems.

26. Discuss about SFS, ACV and LFS models.

(1×4=4)

---