

227

S.No.: 306

BATCH: 2007 — 2017

Reg. No.:

END OF SEMESTER EXAMINATIONS, NOVEMBER – 2018
OPERATING SYSTEM
SUBJECT CODE : 08UAIT10

MAJOR : B.Sc., (Information Technology)
TIME : 3 Hours

SEMESTER : III
MAX. MARKS : 75

SECTION – A (5 x 2 = 10)

Answer ALL the Questions:

1. Define operating system.
2. What is block mapping?
3. What is FIFO?
4. Define scheduling.
5. What is cryptography?

SECTION – B (5 x 4 = 20)

Answer ALL the Questions:

6. a) Explain the mutual exclusion.

(OR)

- b) Explain process synchronization with semaphores.

7. a) Discuss about deadlock prevention.

(OR)

- b) Explain the virtual storage.

8. a) Describe Job Scheduling levels in Processor Management.

(OR)

- b) Write short note on scheduling.

9. a) Explain access control by user classes.

(OR)

- b) Write about the user authentication.

10. a) Explain introduction to Linux.

(OR)

- b) Write about Case statements in Control Structure.

SECTION – C (3 x 15 = 45)

Answer any THREE Questions:

11. Explain the process concept in details.
12. Explain deadlock with example.
13. Explain any three scheduling algorithm.
14. Explain in detail cryptography with example.
15. Discuss about shell programming with example.

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