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(Pages : 2)

Name.....

Reg. No.....

**SIXTH SEMESTER U.G. (CBCSS—UG) DEGREE EXAMINATION
MARCH 2024**

BCA/Computer Science

BCA 6B 12—OPERATING SYSTEMS

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answer Type Questions)*Answer all questions, each correct answer carries a maximum of 2 marks.**Ceiling 20 marks.*

1. What do you mean by a process ?
2. What do you mean by Batch Processing ?
3. Explain the states of a process.
4. What is meant by RR scheduling ?
5. Explain the meaning of the commands mkdir, rmdir, cp and whereis.
6. Explain the logical operators in linux shell programming ?
7. What is meant by grep ?
8. What do you mean by synchronization ?
9. What is meant by overlays ?
10. Differentiate between dynamic linking and dynamic loading ?
11. What is meant by virtual memory ?
12. What do you mean by address binding ?

Turn over

Section B (Short Essay Type Questions)

Answer all questions, each correct answer carries a maximum of 5 marks.

Ceiling 30 marks.

13. Explain the operations on processes.
14. Explain the memory allocation strategies.
15. What do you mean by paging ?
16. What is meant by segmentation ?
17. What is meant by mutual exclusion ?
18. Explain the structure of a file system ?
19. What is meant by demand paging ?

Section C (Essay Type Questions)

Answer any one question, correct answer carries 10 marks.

20. Explain the architecture of any one mobileOs in detail.
21. Explain the CPU scheduling algorithms.

(1 × 10 = 10 marks)