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C 20517

(Pages : 2)

Name.....

Reg. No.....

SIXTH SEMESTER U.G. DEGREE EXAMINATION, MARCH 2022

(CBCSS—UG)

B.C.A.

BCA 6B 12—OPERATING SYSTEMS

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answer Type Questions)

*Answer at least **eight** questions.*

Each question carries 3 marks.

All questions can be attended.

Overall Ceiling 24.

1. What is the function of an operating system ?
2. Define an operating system.
3. Explain serial processing with example ?
4. What do you mean shell programming ?
5. What do understand by the term Bash ?
6. Mention any *two* iterative command in linux.
7. What is CPU Scheduling ?
8. Explain Process scheduling with example.
9. What is Overlay ?
10. What is Page replacement and explain its advantage ?
11. Differentiate between authentication and authorization.
12. Explain the features of mobile OS ?

(8 × 3 = 24 marks)

Turn over

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Section B

*Answer at least **five** questions.*

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 25.

13. Briefly explain the scope of Priority scheduling.
14. What do you understand by the term thread ?
15. Explain the scheduling criteria in detail.
16. Give a description about classical synchronization problem with example.
17. Explain client server system with example.
18. Explain the difference between paging and segmentation.
19. Explain the concept of virtual memory.

(5 × 5 = 25 marks)

Section C

*Answer any **one** question.*

The question carries 11 marks.

20. Explain critical section problem in detail.
21. Explain the UNIX Operating system with its features.

(1 × 11 = 11 marks)