D 100492   (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)