6229
BOARD DIPLOMA EXAMINATION
MARCH/APRIL - 2019
DIPLOMA IN COMPUTER ENGINEERING
OPERATING SYSTEMS
THIRD SEMESTER EXAMINATION

Time: 3 Hours **Total Marks: 60**

PART - A (3m x 10 = 30m)

Note 1:Answer all questions and each question carries 3 marks

2:Answers should be brief and straight to the point and shall not exceed 5 simple sentences

1. List the services of Operating System.
2. Define Operating System.
3. What is a queuing diagram?
4. What are Short, Long and Medium term scheduling.
5. What three issues must be considered in the case of pre-emption.
6. List the advantages and disadvantages of fixed partitioning.
7. What is a Working set?
8. Write a brief note on Look disk scheduling.
9. Define Indexed allocation method.
10. Write about file management.

PART - B (10m x 5 = 50m)

Note 1:Answer any five questions and each question carries 10 marks

2:The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer

11. Explain the System call sequence with the help of a diagram.
12. Explain the Priority Scheduling algorithm with an example.
13. Explain all the strategies involved in deadlock detection and how it is recovered.
14. Explain multilevel queue scheduling techniques.
15. Explain about Segmentation.
16. Explain the Paging Concept in detail.
17. Explain various Disc allocation methods.

18. (a)List and explain any five file operations.
    (b)List any five functions of file management systems.

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