AL - 0522

B.C.A. (Part-I) Second Semester

Operating System
2 ST 1

P. Pages : 3

Time : Three Hours   Max. Marks : 60

1. a) What is an operating system ? What are the goals of an operating system ? Explain.   6

   b) What is software ? Explain its types.   6

OR

2. a) Explain layered structure of unix.   6

   b) State any six features of linux operating system.   6

3. a) State and explain difference between internal & external DOS commands of DOS.   6

   b) Explain the meaning of FAT.   6

OR

4. a) Explain function of Autoexec bat with example.   6

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b) Explain any two commands. 6

   i) FORMAT.

   ii) ATTRIB

   iii) XCOPY

5. a) What is process management ? Explain. 6

  b) Explain the working of round robin scheduling algorithm with an example. 6

OR

6. a) What are process scheduling algorithms ? Explain any one in brief. 6

  b) Explain : 6

   i) Ready state.

   ii) Swapped state.

7. a) What is sequential memory allocation ? Explain. 6

  b) Explain directory structure of DOS. 6

OR

8. a) What is linked memory allocation ? What are its drawbacks ? 6

  b) Explain space allocation techniques. 6

9. a) What is segmentation ? Explain. 6

  b) Explain following algorithms : 6

   i) FIFO   ii) LRU

OR

10. a) What is Demand paging ? Explain. 6

  b) What is partitioning ? Explain its types. 6

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