AM–226

B.C.A. (Part—I) Semester–II Examination
OPERATING SYSTEM–2ST1

Time—Three Hours]   [Maximum Marks—60

Note :— (1) ALL questions are compulsory.

(2) All questions carry equal marks.

1. (a) What is Software ? Explain types of Softwares. 6

(b) What is an Operating System ? Explain its function.

6

OR

2. (a) Explain Multi Programming and Multitasking Operating System.   6

(b) Explain Application Software and System Software.

6

3. (a) What is Booting ? Explain different types of Booting.

6

(b) Explain :   6

(i) Format

(ii) ATTRIB

(iii) CONFIG.SYS

OR

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4. (a) Explain directory structure of DOS. 6
   (b) Explain : 6
       (i) Copy
       (ii) RD
       (iii) PATH.

5. (a) What are Process Scheduling Algorithms ? Explain any one in brief. 6
   (b) What is Process Management ? Explain. 6

OR

6. (a) Explain FCFS Process Scheduling Algorithm with example. 6
   (b) Explain : 6
       (i) Waiting State
       (ii) Ready State.

7. (a) How files and directories are maintained in DOS ? 6
   (b) What is Sequential Memory Algorithm ? Explain. 6

OR

8. (a) Explain space allocation techniques. 6
   (b) Explain contiguous allocation with example. 6

9. (a) What is Paging ? Explain. 6
   (b) Explain two page replacement algorithm. 6

OR

10. (a) Explain virtual memory management. 6
    (b) What is Segmentation ? Explain. 6

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