



AR - 0634

B.C.A. Part - I Semester - II

Operating System Paper : 2ST1

P. Pages : 3

Time : Three Hours

Max. Marks : 60

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Assume suitable data wherever necessary.

1. a) What is operating system? Explain types of operating system. **6**

b) Explain: **6**
i) Kernel
ii) Shell

OR

2. a) What is Software? Explain types of software. **6**

b) Explain difference between Unix operating system and Linux operating system. **6**

3. a) Explain following commands with examples. **6**
i) DIR
ii) CD
iii) COPY CON

- b) What is booting? Explain different types of booting. **6**

OR

4. a) Explain following commands with example. **6**

i) FORMAT

ii) CHKDSK

iii) ATTRIB

- b) Explain directory structure of DOS. **6**

5. a) Explain Process Management. **6**

- b) Explain FCFS Algorithm with example. **6**

OR

6. a) What is Process? Explain different states of process. **6**

- b) Explain. **6**

i) Waiting state

ii) Ready state

7. a) What is sequential memory Allocation? Explain. **6**

- b) Explain Unix file allocation system. **6**

OR

8. a) Explain file sharing with its basic modes. **6**

- b) Explain. **6**

i) Linked Allocation.

ii) Indexed Allocation.

9. a) Explain Virtual Memory Management. **6**

- b) Explain Page Replacement Algorithm. **6**

OR

10. a) What is demand paging? Explain. **6**

- b) What is segmentation? Explain. **6**
