

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

**B.Voc. (Web Technologies and Multimedia) (Sem.-3)**

**OPERATING SYSTEM**

Subject Code : BVWM-304-19

M.Code : 78642

Date of Examination : 19-06-2024

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

1. Write briefly :
  - a. Define application program.
  - b. Write about time sharing system.
  - c. What is Bootstrap?
  - d. Discuss FCFS.
  - e. What is Process synchronization?
  - f. Define address binding.
  - g. What is context switching?
  - h. Define Thrashing.
  - i. Write use of Firewall.
  - j. What is Denial of Services?

## SECTION-B

2. What is Process Control Box? Discuss the different states of Process.
3. Discuss the use of Round Robin algorithm in scheduling.
4. Write overview of Threads and its applications in operating system.
5. Discuss the use of Paging and Segmentation.
6. Write a short note on directory structure and management.

## SECTION-C

7. Explain the protection and security measures for operating system.
8. Discuss the concept of Inter process communication and its models.
9. Explain the Demand Paging and the role of Page replacement algorithms in it.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**