

Roll No.

Total No. of Pages : 02

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B.Voc. (Electronics & Information Technology) (Sem.-4)

**OPERATING SYSTEM**

Subject Code : BVET-403-20

M.Code : 91665

Date of Examination : 11-07-22

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) What is meant by saying that program is reentrant?
- b) How can a process lose control of the processor?
- c) Give at least three different view of Operating System.
- d) What would be the effect of the system running too many I/O jobs?
- e) What is multiprogramming?
- f) What is a device driver?
- g) What do you understand by multiprocessing system?
- h) What is logical address space?
- i) What is virtual memory?
- j) What is demand paging?

## SECTION-B

2. Distinguish between preemptive and non-preemptive scheduling policies.
3. In a variable partition scheme, the operating system has to keep track of allocated and free space. Suggest a means of achieving this. Describe the effects of new allocations and process terminations in your suggested scheme.
4. Describe the differences between short term, medium term and long term scheduling.
5. What are the various functions of operating system?
6. What are the various characteristics of files? Explain.

## SECTION-C

7. A variable partition memory system has at some point in time the following hole sizes in the given order : 20k, 15k, 40k, 60k, 10k, 25k. A new process of 28 K is to be loaded.  
Which hole size would be filled using best-fit, first-fit and worst-fit, respectively?
8. What are the various memory management techniques? Discuss with example
9. What is an operating system? What are the various services provided by the operating system?

**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.**