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Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. (Software Development) (Sem.-1)

OPERATING SYSTEM (OS)

Subject Code : 5.GV.04

M.Code : 77048

Date of Examination : 17-01-2023

Time : 3 Hrs.

Max. Marks : 30

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of TEN questions carrying ONE mark each.
2. **SECTION-B** contains FIVE questions carrying 2½ (Two and Half) marks each and students has to attempt any FOUR questions.
3. **SECTION-C** contains THREE questions carrying FIVE marks each and students have to attempt any TWO questions.

SECTION-A

1) State whether True/False. Give brief explanation for your choice :

- a. The operating system acts as an interface between the computer hardware and the human user.
- b. An operating system controls the execution of applications and acts as an interface between applications and the computer hardware.
- c. In a uni-processor machine, concurrent processes cannot be overlapped; they can only be interleaved.
- d. Round Robin is a scheduling technique is also known as time slicing, because each process is given a slice of time before being preempted.
- e. An operating system is deterministic to the extent that it performs operations at fixed, predetermined times or within predetermined time intervals.
- f. Unix is a “simple structure” OS.
- g. Micro Kernels are faster than other OS structures.
- h. Virtual Machines are faster than other OS structures.
- i. The * wildcard is used to replace an infinite number of characters.
- j. Each copy of the file is referred to as a different element of the file.

SECTION-B

- 2) Differentiate between Internal and external fragmentation.
- 3) Distinguish between preemptive and non-preemptive scheduling policies.
- 4) Distinguish between a pipe and output redirection.
- 5) What is a batch mode computing?
- 6) What are the main features of BOSS?

SECTION-C

- 7) What is an Operating System? What are the various services provided by the operating system? Discuss with reference to Unix Operating System.
- 8) How virus can affect the working of a system? Explain with example.
- 9) What are the various disk management tools available? Explain with example.

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.