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Total No. of Pages : 02

Total No. of Questions : 07

B.Sc. (G&WD) (Sem-5)
LINUX OPERATING SYSTEM

Subject Code : UGCA-1935

M.Code : 90380

Date of Examination : 02-06-2023

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 SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

1. Write briefly :

- a) What is Vi editor?
- b) List two advantages of using Linux over other operating systems.
- c) What is the difference between a shell and a terminal emulator?
- d) What is the PATH environment variable in Linux?
- e) What is a file system in Linux?
- f) What is package management in Linux?
- g) What is the role of DNS in Linux networking?
- h) What is the difference between a user and a group in Linux administration?
- i) What are some common Linux administrative tasks?
- j) How do you write a simple "Hello World" script in Linux?

SECTION-B

2. What are the advantages and disadvantages of using Linux for personal and business use?
3. How is Linux distributed and licensed, and what are the different distributions available

4. What are shell functions and how can they be defined and used in shell scripts?
5. What are file permissions and how do they work in Linux? Describe the three levels of permissions (read, write, and execute) and how they can be assigned to users and groups.
6. What is system administration in Linux and what are the key responsibilities of a Linux system administrator?
7. What is kernel configuration and how is it used in Linux kernel administration? Explain the process of configuring and compiling the Linux kernel.

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