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Total No. of Pages : 02

Total No. of Questions : 07

BCA (Sem.-5)
LINUX OPERATING SYSTEM
Subject Code : UGCA-1935
M.Code : 90318
Date of Examination : 02-12-2023

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. Answer briefly :

- a) Write a note on history of linux.
- b) Discuss about the terminologies used in linux.
- c) List any four linux distributions.
- d) What are the major features of linux operating system?
- e) Write a note on role of shell in linux environment.
- f) What is I/O Redirection in Linux?
- g) What is the architecture of linux? Explain.
- h) Define Shell script in linux.
- i) Discuss init process along with runlevels.
- j) Explain virtualization in Linux.

SECTION-B

2. Write down the steps to create, modify, search and navigate a file in editor.
3. Draw and explain the structure of Linux.
4. Explain different types of shells in Linux operating system.
5. Write down the steps required for changing the current network configuration.
6. Write a shell script to show working with if-then statement.
7. Explain the commands :
 - a) telnet
 - b) route
 - c) hostname
 - d) ping
 - e) ifconfig.

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.