MCA (Sem.-2)
LINUX ADMINISTRATION
Subject Code : PGCA-1956
M.Code :79618
Date of Examination : 24-05-2024

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 & C. have FOUR questions each.
3. Attempt any FIVE questions from SECTION B & C carrying EIGHT marks each.
4. Select atleast TWO questions from SECTION - B & C.

SECTION-A

1. Write short notes on :

   i. GUI (Graphical User Interface)

   ii. Kernel

   iii. Booting Process in Linux

   iv. File Permissions in Linux

   v. Steps and Linux Command to Unpacking the Package

   vi. Web Server

   vii. HTTP Protocol

   viii. SMTP Protocol

   ix. POP3 Protocol

   x. Samba SWAT

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SECTION-B

2. Differentiate between Linux and Windows operating systems. Using Suitable examples.

3. Define Linux root user role and discuss its differences from Windows admin accounts.

4. Explain Linux file permissions' role in security also describes types and manipulation.

5. Explain Linux package and user management processes. Include software installation and user/group administration.

SECTION-C

6. Describe the process of installing and configuring a DNS server, including setting up BIND database files and configuring DNS clients.

7. Discuss the various types of DNS records and their significance in DNS resolution. How do they contribute to domain management?

8. Explain the steps involved in understanding the HTTP protocol. How does it facilitate communication between clients and servers?

9. Detail the installation process of Apache HTTP Server and discuss the steps for starting up and shutting down Apache.

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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.