DIPLOMA IN ELECTRICAL AND ELECTRONICS ENGINEERING

CENTRALIZED QUESTION BANK

4030626 - Computer Hardware and Networking Practical

DIRECTORATE OF TECHNICAL

EDUCATION GOVERNMENT OF TAMILNADU

DIPLOMA END SEMESTER / YEAR EXAMINATION – 2023

Course : Electrical and Electronics Engineering

Subject : Computer Hardware and Networking Practical   **QP Code :** 4030626

Time : 3 Hours   **Date :**   **Session:**   **Max Marks:** 100

ANSWER ALL THE QUESTIONS

1.   A) HARD DISK- i) Install Hard Disk. ii) Configure C-MOS SET-UP. iii) Partition and Format Hard disk. iv) Identify Master /Slave/IDE Devices. v) Practice with scan disk, diskclean up, disk De-fragmentation, Virus Detecting and Rectifying Software.

  B) Installation of Windows 2008 / 2013 Server.

2.   A) i) Install and Configure a DVD Writer & Blu-ray Disc Writer.
       ii) Recording a Blank DVD & Blu-ray Disc.

  B) Installation and configuration of DHCP Server.

3.   A) Assemble a system with add on cards and check the working condition of the system andInstall Dual OS.

  B) Installation and configuration of Mail Server.

4.   A) Carry out Flashing, Unlocking and Formatting memory cards operation in Mobile phones.

  B) i) Install Red Hat Linux using Graphical mode.
       ii) Install Red Hat Linux using VMware.

5.   A) Do the following cabling works in a network-i) Cable Crimpling. ii)Standard Cabling. iii)Cross Cabling. iv) I/O Connector Crimping. v) Testing the Crimped cable using a Cable. tester

  B) Create an user in Linux Server and assign rights.

6.   A) i) Configure Host IP, Subnet Mask and Default Gateway in a system in LAN(TCP/IP Configuration).
       ii) Configure Internet connection and use IPCONFIG, PING/ Tracert and Net stat utilitiesto Debug the Network issues.

  B) i) Configure and troubleshoot /etc/grub.conf
       ii) Configure and troubleshoot /etc/passwd

7.   A) Transfer files between systems in LAN using FTP Configuration. Install a printer in LANand share it in the network.

  B) Installation of Windows 2008 / 2013 Server.

ALLOCATION OF MARKS

S.NO	NAME OF ACTIVITY	MARK ALLOCATION
1.	PROCEIDURE WRITING-ONE QUESTION FROMPART-A	15
2.	PROCEIDURE WRITING-ONE QUESTION FROMPART-B	20
3.	EXECUTING EXERCISE (PART-A)	15
4.	EXECUTING EXERCISE (PART-A)	25
5.	RESULT (PART-A)	5
6.	RESULT (PART-B)	5
7.	DEMONSTRATION OF MINI PROJECT	10
8.	VIVA-VOCE	5
9.	TOTAL	100