

**SYLLABUS FOR TRADE TEST (SKILL TEST) FOR THE POST OF TECHNICIAN**  
**COMPUTER SCIENCE & ENGINEERING**

<b>S.No.</b>	<b>LIST OF PRACTICALS</b>	
1.	a.	Check Status of Connectivity of SMPS cable using a Multimeter
	b.	Measure the voltage from SMPS cable using a Multimeter
	c.	Identification of fuse on PCB and check its connectivity
2.	a.	Identification of faulty Electrolytic Capacitor or Resistor on PCB
	b.	Replace the faulty Electrolytic Capacitor or Resistor on PCB
3.		Change Boot sequence, Date & Time using BIOS options and save it
4.	a.	Identify and Replace the faulty SMPS/ATX power supply in the Desktop PC
	b.	Add on a PCI suitable Graphic Card or Network Interface Card in Desktop PC
	c.	Check the thermal paste over CPU in heat sink and insert it back
5.		Identify the ports and Interface Printer/Webcam/Projector with PC (as per the requirement)
6.		Identify and troubleshoot PC Display, Booting Issue and Printer
7.		Identify and Replace CMOS battery
8.	a.	Create a text file on Desktop and hide it through CLI command in MS Windows 10 Pro O.S
	b.	Find out Windows 10 Pro Product Key through CLI command
	c.	Find out the CPU details by GUI command with Name, Frequency & Cores in MS Windows 10 Pro O.S
	d.	Account creation using GUI - MS Windows 10 Pro
9.	a.	List out the Partitions with size using PowerShell commands under - MS Window 10 Pro
	b.	List out the Network Interface card with MAC and Linking Speed using PowerShell commands under - MS Window 10 Pro
10.	a.	Create a text file & make it readable, change the ownership to root only by CLI only
	b.	User Account Management in Linux Environment (CLI/GUI)
	c.	Remove the folder on Desktop by GUI
	d.	List out all the USB & PCI devices that are connected to the system
11.		Installation of Application Software (Libre Office or Open office in MS Window Pro 10)
12.		Installation of Ubuntu 18.04/20.04 or Installation of MS Windows 10 Pro using Virtual Box
13.	a.	Identify the media, connectors and supporting tools
	b.	Draw the Standard color code and Making of straight through Patch Chord / cable UTP media
	c.	Test the Cable made by you through Cable Tester or on the network
14.		Configure two NIC with static IP address for peer-to-peer Network and to share the folder or devices
15.	a.	Configure the Standalone Access Point without any passkey for wireless connectivity
	b.	Set the Standalone Access Point with multiple SSIDs & passkeys
	c.	List out from connected Wireless : SSID, Network Band and Channel
16.		Configure the Static IP address in Linux Environment and with subnet
17.		Troubleshooting on LAN and to access Internet (Use of OS tools, ping, ipconfig, ifconfig and traceroute/tracert, DNS problem etc.)
18.	a.	Identify and list out the listening ports in a LAN server
	b.	Use of third party software to check the network connectivity
19.		Creation of User Registration Form and Attendance Sheet using Google Forms
20.		To link and configure for e-Meetings through Google Meet/WebEx, Zoom, Microsoft Team etc.