
	Selvam College Of Technology, Namakkal (Autonomous) IT Support & Development Training Programme (ISDTP)		
Worksheet -6			
Bundle &Subject Name	Proficient Bundle V2 (2025) Troubleshooting V2	Semester	VIII

Answer Key. (10*1=10)

- What is the first thing you should check when a switch is shutting down due to overheating?
 - Check the switch's power supply
 - Check the ambient temperature in the server room
 - Reboot the switch to reset its settings
 - Check for firmware updates on the switch

Ans: B) Check the ambient temperature in the server room

- What is a common cause of overheating in network switches?
 - Switch port overload
 - Dust accumulation and poor airflow
 - High network traffic
 - Firmware corruption

Ans: B) Dust accumulation and poor airflow

- What component of the switch should you check if the switch is shutting down due to overheating?
 - Power over Ethernet (PoE) settings
 - DHCP lease settings
 - Port security settings
 - Cooling fans and vents

Ans: D) Cooling fans and vents

- What should be the maximum ambient temperature in a server room to prevent network switches from overheating?
 - 18-22°C (64-72°F)
 - 25-30°C (77-86°F)
 - 32-38°C (90-100°F)
 - 40-45°C (104-113°F)

Ans: B) 25-30°C (77-86°F)

- How can you improve airflow around a switch to prevent overheating?
 - Place the switch directly on the floor
 - Ensure there is sufficient space around the switch for ventilation
 - Keep the switch covered with dust covers at all times
 - Install more hard drives in the switch for increased performance

Ans: B) Ensure there is sufficient space around the switch for ventilation

- What is the most likely reason devices lose network access when a router stops functioning?
 - The internet service provider (ISP) is down
 - The router loses power
 - The devices are malfunctioning
 - The Wi-Fi password changes automatically

Ans: B) The router loses power

- What happens when the router loses power?
 - Devices automatically switch to mobile data
 - All connected devices lose internet access
 - The router automatically resets itself
 - The router continues functioning without internet

Ans: B) All connected devices lose internet access

- Which of the following could cause the router to lose power?
 - A power outage
 - An issue with the Wi-Fi password
 - A full internet bandwidth
 - An incorrectly configured device

Ans: A) A power outage

- What should you do if the router's power failure persists despite checking the power source?
 - Call the ISP to report an outage
 - Turn off all devices and reboot them
 - Replace the router's power cable or adapter
 - Try using mobile data instead of Wi-Fi

Ans: C) Replace the router's power cable or adapter

10. After restoring power to the router, what might you need to do?

- A) Re-enter your Wi-Fi password
- B) Reset the router to factory settings
- C) Wait for the router to automatically reconnect
- D) Reconnect all devices manually

Ans: C) Wait for the router to automatically reconnect