# Web Technology PT-1

## 1. What is a computer network?

○ Conveys data

○ Manages software

○ Creates graphics

○ Performs calculations

## 2. Which component connects devices within a short range?

○ Router

○ Modem

○ Switch

○ Firewall

## 3. What does IP stand for?

○ Internet Protocol

○ Integrated Programming

○ Intelligent Processor

○ Intranet Port

## 4. Which layer ensures data delivery between two devices on a network?

○ Application Layer

○ Transport Layer

○ Network Layer

○ Data Link Layer

## 5. What is socket programming used for?

○ Cooking recipes

○ Creating GUI

○ Network communication

○ File storage

## 6. What is a LAN?

○ Local Area Network

○ Long Array Node

○ Large Access Network

○ Low-level Adapter Node

## 7. What does an IP address uniquely identify on a network?

○ Device

○ Cable

○ Router

○ Website

## 8. Which protocol is used for email communication?

○ TCP

○ SMTP

○ HTTP

○ FTP

## 9. What is the role of a switch in a network?

○ Connects networks

○ Filters and forwards data

○ Manages software

○ Provides internet

## 10. Which layer handles logical addressing and routing?

○ Network Layer

○ Physical Layer

○ Data Link Layer

○ Transport Layer

## 11. What is the function of a router?

○ Provides internet

○ Connects devices within LAN

○ Forwards data between networks

○ Processes emails

## 12. What is a port number in networking?

○ Physical location

○ Software application's endpoint

○ IP address

○ Domain name

## 13. Which layer ensures data is properly formatted for transmission?

○ Presentation Layer

○ Transport Layer

○ Application Layer

○ Data Link Layer

## 14. What is the purpose of subnetting?

○ Reducing network load

○ Increasing latency

○ Adding more devices

○ Dividing a network into smaller segments

## 15. Which protocol is used for web browsing?

○ HTTPS

○ FTP

○ SNMP

○ SMTP