



Course: CCNA Semester: 2 nd term 2024/2025.	Lecturers: Assoc. Prof. Osama Elnahas, Dr. Nehal ElAzly Assistant: Eng Rania Helal, Eng. Israa Mohsen, Eng. Mariam, Eng. Hazem Hamdy
Tutorial 3: Computer Networks	

Answer the following questions:

Q1. Choose the correct Answer:

1- Application Layer has combined.....layers in TCP/IP model.			
a) 2	b) 3	c) 4	d) 5
2- The layer defines how applications interact with the network, providing services like email, web browsing, and file transfer in TCP/IP model.			
a) transport	b) Network access	c) application	d) Internet
3- The layer Manages IP addressing, routing, and network connectivity, ensuring data packets reach their destination in TCP/IP model.			
a) transport	b) Network access	c) application	d) Internet
4- Simple Mail Transfer Protocol, handling email transmission is called.....			
a) FTP	b) HTTP	c) SMTP	d) DNS
5- Hypertext Transfer Protocol, enabling web browsing and accessing web resources locates in..... layer in TCP/IP model.			
a) transport	b) Network access	c) application	d) Internet
6-requires a connection setup and provides error checking.			
a) PDU	b) TCP	c) UDP	d) HTTP
7- Thelayer adds the IP header, including source and destination IP addresses, for packet routing.			
a) transport	b) Network access	c) application	d) Internet
8- is a connectionless protocol that prioritizes speed and efficiency, offering minimal error checking or order guarantees.			
a) PDU	b) TCP	c) UDP	d) HTTP
9- Thelayer handles error detection and correction, manages access to the physical medium, and ensures data integrity within a local network.			
a) physical	b) transport	c) Network	d) data link





10- The process is called.....dividing a large network into smaller subnetworks for better management and efficiency.			
a) IP addressing	b) Sub-netting	c) Routing	d) data integrity
11- Thelayer is responsible for the port address.			
a) physical	b) data link	c) Network	d) transport
12- Thelayer is responsible for the specific address.			
a) Application	b) data link	c) Network	d) transport

Q2. Define encapsulation process and describe how data moves through network layers.

Q3. Determine the four levels of addresses are used in an internet employing the TCP/IP protocol and each related layer.

