

- Data link layer controls how data is placed onto the media (.....)
- Application layer offers ordered data reconstruction services (.....)

### **Problem Number (6)**

**Choose the correct answer for each of the following questions:**

- 1) What is the highest layer in the OSI model used in the FTP operation?**

a. Application	c. Transport	e. Data Link
b. Presentation	d. Internet	f. Physical
- 2) Which layer of the OSI reference model is responsible for ensuring reliable end-to end delivery of data?**

a. Application	c. Session	e. Network
b. Presentation	d. Transport	f. Data-Link
- 3) Which one of the following is the most commonly used layer 3 network device?**

a. Hub	c. Switch	e. Repeaters
b. Bridge	d. Router	
- 4) Which device should be used for routing a packet to a remote network?**

a. access switch	b. DHCP server	c. hub	d. route
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- 5) In a Cisco device, where is the IOS file stored prior to system startup?**

a. RAM	b. ROM	c. Flash	d. NVRAM
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- 6) A network administrator wants to restrict access to the router privileged EXEC mode. Which password should the administrator use?**

a. enable	b. aux	c. console	d. VTY
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- 7) A user types the enable command. What task can be performed at the privileged EXEC mode?**

a. Configure the device.
b. Configure individual interfaces.
c. Configure individual terminal lines.
d. Issue show and debug commands.
- 8) What is the protocol data unit that is associated with the data link layer of the OSI reference model?**

a. data	b. frame	c. packet	d. segment
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- 9) Which password would allow a user to establish a Telnet session with a Cisco device?**

a. VTY password	c. console password
b. enable password	d. enable secret password

*With my best wishes*



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Course Title: Tests & Measurements (b)

Course Code: EC 3201

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اختبارات وقياسات (ب) لائحة قديمة

Allowed time: 3 hrs

No. of Pages: 2

**Answer ALL the following questions and assume any missing data :**

**Problem Number (1)**

- What is a Network? What are Network components?
- Discuss briefly the Encapsulation process in TCP/IP model

**Problem Number (2)**

**Write a short Note about each of the following:**

- LAN, MAN and WAN
- OSI model

**Problem Number (3)**

- Write a java program to allocate array  $A[6]=\{1,2,23,4,9,2\}$  and array  $B[6]=\{11,12,3,5,6,4\}$ , print both arrays then swap both arrays value to have  $B[6] = \{1,2,23,4,9,2\}$  and  $A[6]=\{11,12,3,5,6,4\}$ , then print the new array values of A and B.
- Write a java function that received two integers X and Y, the two values are printed and their sum is also printed

**Problem Number (4)**

- Using bubble sort algorithm, write a function that receives an array B[6] and sorts that array in an ascending order then prints its values.
- Write a java function that returns the max of an array elements received from the main program
- Write a java function that prints the odd numbers between 400 and 500 without printing the number 150.

**Problem Number (5)**

**Put (True) or (False) for each of the following statements and correct the false ones:**

- A variable is a template for multiple objects with similar features. (.....)
- Subclasses inherit all the methods and variables from their superclasses (.....)
- Java's form of inheritance is multiple inheritances (.....)
- Once you finish with an object, that object remains in the memory as long as your application is running X (.....)