

Menoufia University Faculty of Electronic Engineering Dept. of Computer Science and Engineering Third Year Computer Networks (CSE363)	 	Date: 25/12/2019 Time: 3 hours, No. of Pages : Two Full Mark = 90 Mark Final Exam., (1 st Term) Examiner: Dr. Ehab A. Khalil
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Answer All the Following Questions

1- The following questions are multiple choices. Please Select Best TWO from (A)-(E).

I- The Wireless Broadband (Wibro) access is also known as -----,-----.
 (A) WLL (B) UMW (C) RITL (D) WITL (E) WRF

II- A ----- network is called Piconet and an interconnected Piconets is call -----.
 (A) Collection of Piconets (B) Bluetooth (C) WiMax (D) Scatternet (E) UWB

III- The -----as an alternative to traditional switch-based Ethernet LANs, it uses -----.
 (A) optical splitters (B) EPN (C) POLAN (D) STP (E) SAN

IV- ----- is a pioneering Computer Network system developed at Hawaii University, it is the first public demonstration of a ----- packet data network.
 (A) protocol (B) wireless (C) Pure Aloha (D) Aloha (E) CSMA

V- Which of the following connected devices is not crossover cable connection-----,-----.
 (A) PC to a Router (B) Router to a Switch (C) Router Ethernet port to PC NIC
 (D) PC to a PC (E) LAN port to a PC.

VI- Which of the following is not belongs to coaxial cable : -----,-----.
 (A) SMF (B) ThickNet RG-8 (C) coaxial cable (D) MMF (E) ThinNet RG-58

VII- The circuit switched is implemented at ----- layer and packet switched is implemented at ----- layer.
 (A) Session (B) Transport (C) Data Link (D) Physical (E) Network

VIII- Which of the following is not non real-time (Asynchronous) network : -----,-----.
 (A) Internet forums (B) blogs (C) IM (D) e-mail (E) Chats

IX- Which of the following is not service primitives between client and server -----,-----.
 (A) Listen & Connect (B) Wait (C) Disconnect (D) Retransmit (E) Receive & Sent

X- Which of the following is not function in OSI-RM's Application Layer: -----,-----.
 (A) Encryption (B) Translation (C) Mail Services (D) NVT (E) FTAM

[20-mark]

2- Choose (T) for the True sentence and (F) for the False sentence, Write the correct answer for the False one:

I- The term "LiFi" is actually a Latin phrase that's mean: "for this purpose only". (T/F)

II- PANs are larger than LANs, but smaller than MANs. (T/F)

PTO →

- III- The CSMA allows its users to transmit whenever they have. (T/F)
- IV- In multimode Fiber: multiple streams of LED-generated light up to 2Km. (T/F)
- V- Active hubs accommodate several different types of cables. (T/F)
- VI- A Node is anything that is connected to the network.. (T/F)
- VII- The WDM is an analog multiplexing technique. (T/F)
- VIII- Auction systems is an example of real-time (Synchronous) network. (T/F)
- IX- The signals types are: Continuous & Discrete Signals and Periodic Signals. (T/F)
- X- NetBIOS/NetBEUI (for LAN Manager and Windows NT networks). (T/F)

[20-mark]

3-Select the best and correct word to complete the following sentences:

**Hub – Router–FTP – RANET – master – RTP – Wire –Telnet – FANET – Cable –
ALOHA –Switch –12 – SMTP – PDUs – Connectionless – 6 – DNS – NIC –10 –
Protocol –Hybrid – slave – PPTP – VANET – Virtual Circuit– Connection Oriented –
8 – Optical – SNMP – Piconet –Logic – MANET – Adaptor –Active -14**

- a- The Wireless Ad-Hoc Network (WANET) is also known as:,
- b- The is Bluetooth-enabled PAN which may contains up to - devices connected together in a - fashion.
- c- The,,, makes up a network.
- d- The orientation of circuit switching is and the orientation of packet switching is and
- e- Some examples for protocols implemented by TCP and UDP respectively are:,,, and,,

[20-mark]

4- a-What are the features of GiFi, the latest emerging wireless technologies? [4-marks]

b-What are the Classful Routing & Classless Routing? [4-marks]

c-The MAC protocol techniques are designed with goals in mind! State what are these goals? [5-marks]

d-What are the types of Round Robin MAC? [2-marks]

5- a- The NIC performs a variety of functions, what are these functions? [3-marks]

b- Draw a diagram to show the Data Structure of TCP and UDP. [6-marks]

c- What are RJ45, BNC, and AUI stand for? State what are the types of Cables using with RJ45, BNC, SC and ST connectors? [6-marks]

This exam measures the following ILOs									
Skills	Knowledge & Understanding Skills				Intellectual Skills				Professional Skills
	a2,3,4,8,16	a2,3,4,8,16	a2,3,4,8,16	a2,3,4,8,16	b2,8,12	b2,8,12	b2,8,12	b2,8,12	c1,2,14
Question Number	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q5

...Best Wishes...