


Philadelphia University Faculty of Engineering Department of Computer Engineering		Date:- 27/12/2017 Allowed time:- 50 Minutes
Computer Network (630411,650522)		Second Exam
Student Name: - ID: -		

Question 1: choose the correct answer for the following questions.

5 Points

1. The main disadvantage of Cut-through switch is:
 - A) delay between sender and receiver
 - B) lowest possible throughput
 - C) propagation of damaged frames
 - D) Frame handling done in software

2. The field in LLC PDU that is used to identify Destination user of LLC layer is:
 - A) SSAP
 - B) DSAP
 - C) LLC control
 - D) CRC

3. 10BaseFX Ethernet standard use _____ as transmission media.
 - A) UTP
 - B) Thin Coaxial cable
 - C) Thick Coaxial cable
 - D) Optical Fiber

4. In wireless networks The set of stations controlled by single coordination function is called:
 - A) BSS
 - B) ESS
 - C) AP
 - D) DS

5. Which of the following fields in IP header is not used in fragmentation/reassembly process.
 - A) Identifier
 - B) More bit
 - C) Length
 - D) Time to Live (TTL)

Question 2: in MAC layer frame explain the use of **Padding** field. **1 point**

Question 3: in IPv4 why re-assembly process performed on destination only?

3 Points.

Question 4: explain the CSMA/CD access method used in Ethernet.

4 points

Question 5: Why IP checksum needs to be recalculated at routers.

1 point

Question 6: In wireless network explain the Four Frame Exchange process used to transfer single frame of Data.

2 points

Question 7: given the following network IP address, break the network to 3 subnetworks and find subnet mask and network address and broadcast address for each subnet.

4 points

IP:- 198.0.0.0