

University of Sargodha

BS 3rd Term Examination 2018

Subject: Computer Science

Paper: Computer Communication & Network (CMP: 2540)

Maximum Marks: 80

Time Allowed: 2:30 Hours

Note: Objective part is compulsory. Attempt any three questions from subjective part.

Objective Part (Compulsory)

(2*16)

Q.1. Write short answers of the following in 2-3 lines each.

1. Differentiate between TCP and UDP.
2. What is meant by bridges?
3. What is compression? Which layer is responsible for compression.
4. What type of addresses are used in Network and Data link layer
5. Define digital to analog conversion.
6. Give an example of packet switching?
7. How does sky propagation differ from line-of-sight propagation?
8. What is goal of multiplexing.
9. Difference between half duplex and full duplex.
10. Which connectors are used in fiber optic cable?
11. Define infrared wave with an example.
12. What is handoff?
13. Differentiate between noise and distortion.
14. What is the difference between switch and router?
15. How does single bit error differ from burst error?
16. Define channel capacity.

Subjective Part

(16*3=48)

Q. 2 Explain OSI model with functionality of each layer

Q.3 Explain cellular wireless network in detail

Q.4 Write a note on guided media also elaborate its various types.

Q.5 What is multiplexing? Explain the categories of multiplexing

Q.6 Write a note on the following

- High Level data link control
- IEEE 802.11 security considerations