



# ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



## WORKSHEET - 6

### Topic – Components of Network (UTP and STP)

Subject: COMPUTER SCIENCE

Class - 12

F.M:15

Chapter: Computer Networking

Date: 09/05/2020

### Choose the correct answer for each question:

**15x1=15**

1. \_\_\_\_\_ is defined as the physical medium through which the signals are transmitted.
  - a. Guided media
  - b. Bounded media
  - c. Both (a) and (b)
  - d. Unguided media
2. The frequency range for twisted pair cable is from :
  - a. 0 to 3.5 KHz.
  - b. 0 to 4.5 KHz.
  - c. 0 to 5.5 KHz.
  - d. None of these
3. Twisting of wires in twisted pair cable helps to
  - a. increase the data speed
  - b. reduce the effect of noise or external interference
  - c. make the cable stronger
  - d. make the cable attractive
4. STP stand for:
  - a. Standard Telephone cable pair
  - b. Shielded Twisted Pair
  - c. Standard Twisted Pair
  - d. Shielded Telephone Pair
5. UTP stand for:
  - a. Unguided Telephone cable pair
  - b. Unshielded Twisted Pair
  - c. Unguided Twisted Pair
  - d. Unshielded Telephone Pair
6. \_\_\_\_\_ cables are very cheap and easy to install, but they are badly affected by the noise interference.
  - a. STP
  - b. UTP

- c. Co-axial
  - d. Optical Fiber
7. Applications of twisted pair cable is/are
- a. In telephone lines to carry voice and data channels
  - b. In the DSL line (ADSL)
  - c. In the ISDN (Integrated Services Digital Network)
  - d. all of these
8. Data rate in UTP is \_\_\_\_\_ compared to STP.
- a. Slow
  - b. Fast
  - c. Equal
  - d. Cannot be determined
9. The cost of UTP is \_\_\_\_\_ compared to STP.
- a. higher
  - b. lesser
  - c. Equal
  - d. Cannot be determined
10. In UTP noise is \_\_\_\_\_ compared to STP.
- a. high
  - b. low
  - c. Equal
  - d. Cannot be determined
11. Maintenance requirement in STP is \_\_\_\_\_ compared to UTP.
- a. more
  - b. less
  - c. Equal
  - d. Cannot be determined
12. Grounding cable is required in
- a. STP
  - b. UTP
  - c. Both (a) and (b)
  - d. None of these
13. Attenuation rate in UTP is \_\_\_\_\_ compared to STP.
- a. High
  - b. Low
  - c. Equal
  - d. Cannot be determined
14. High speed LAN is the application of:
- a. STP
  - b. UTP

c. Both (a) and (b)

d. None of these

15. \_\_\_\_\_ UTP cables were originally used for voice communication with low data rates.

a. Category 1

b. Category 2

c. Category 1 and 2

d. Category 1, 2 and 3

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