ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

FOR GOD AND COUNTRY

WORKSHEET - 4

Topic – Introduction to Computer Networking

Subject: COMPUTER SCIENCE **Class - 12** **F.M:15**

Chapter: Computer Networking **Date: 06/05/2020**

Choose the correct answer for each question: 15x1=15

1. _____ means sending a digital signal over a channel without changing the digital signal to an analog signal.
   A) Baseband transmission
   B) Broadband transmission
   C) Digital transmission
   D) Analog transmission

2. _____ employs multiple channel unidirectional transmission using combination of phase and amplitude modulation.
   A) Baseband transmission
   B) Broadband transmission
   C) Digital transmission
   D) Analog transmission

3. Signal travelling distance is long in _____.
   A) Baseband transmission
   B) Broadband transmission
   C) both (a) and (b)
   D) none of these

4. Ethernet is an example of _____ transmission.
   A) Baseband transmission
   B) Broadband transmission
   C) Parallel transmission
   D) Serial transmission

5. _____ transmission is used to transmit cable TV to premises.
   a) baseband
   b) broadband
   c) both (a) and (b)
   d) none of these

6. Broadband transmission is _____.
   a) analog signaling
   b) unidirectional
   c) long distance signal travelling
   d) all of these

7. Which is based on orthogonality?
   a) TDM
   b) FDM
   c) TDM & FDM
   d) None of the mentioned

8. FDM stands for _____
   a) Frequency Density Multiplexing
   b) Frequency Difference Multiplexing
   c) Frequency Division Multiplexing
   d) Frequency Data Manager

9. TDM stands for _____
   a) Time Division Multiplexing
   b) Time Difference Multiplexing
   c) Time Duration Multiplexing
   d) Time Data Manager se

10. TDM and FDM are used to multiplex multiple signals into a _____ carrier.
    a) single
    b) double
    c) triple
    d) none of these

11. FDM is an analog multiplexing technique used to combines _____
    a) analog signals
    b) digital signals
    c) both analog and digital signals
    d) alternatively passes analog and digital signals

12. Which multiplexing technique transmits digital signals?
    a) FDM
    b) TDM
    c) WDM
    d) Both FDM and TDM

13. For separate channels in TDM, it is necessary to use.
    a) time slots
    b) bandpass filters

c) differentiation
d) none of these

14. When useful bandwidth of medium exceeds the required bandwidth of signals to be transmitted we use
    a) FDM
    b) TDM
    c) CDM
    d) Both FDM and TDM

15. Optical transmission mainly uses :
    a) FDM
    b) TDM
    c) CDM
    d) Both FDM and TDM

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