



FOR GOD AND COUNTRY

ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



WORKSHEET - 4(Answer Key)

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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