

b) Describe the following "Multiplex" terms

- i) FDM
- ii) TDM
- iii) Statistical Multiplexing

c) Differentiate between "Multiplexer" and "Demultiplexer"

d) List common applications of multiplexing

(6)Marks

2Marks

2Marks

QUESTION Four -20 Marks

a) i) In your own words explain the term "transmission media".

2Marks

ii) List the various categories/types of UTP

2Marks

iii) List two types of transmission impairment that unshielded twisted pair cable can suffer from and Provide a clear definition for each Impairment

4Marks

b) Explain the following terms:-

i) Guided (bounded) media and give three examples

4Marks

ii) Unbounded media and give three examples

4Marks

c) Outline factors should one consider when choosing a transmission media.

2Marks

d) Explain limitations of microwave transmission media

2Marks

QUESTION Five- 20Marks

a) Explain the term Digital Television(DTV) in television transmission

4Marks

b) List the advantages of Digital TV(DTV) over Analogue TV

5Marks

c) State the two(2) categories of digital terrestrial television (DTT)broadcasting formats

2Marks

d) In terms of modern TV display screens,:

i) Explain the meaning of the term OLED TV Screen

3Marks

ii) Briefly describe the Technology used in OLED TV

3Marks

iii) List advantages of OLED over LCD displays

3Marks