

Code: 17ECMC1T5D

**I M.Tech - I Semester – Regular / Supplementary Examinations
December 2018**

**MULTIMEDIA COMMUNICATIONS
(MICROWAVE & COMMUNICATION ENGINEERING)**

Duration: 3 hours

Max. Marks: 60

Answer the following questions.

1. a) With the help of neat block diagram explain ISDN. 8 M
- b) What is text? Explain different types of text. 7 M

(OR)

2. a) Explain interactive applications in multimedia? 8 M
- b) Describe digitized documents and digitized pictures in Images. 7 M

3. a) Explain Huffman coding with an example. 8 M
- b) Discuss MPEG audio coders in Audio Compression. 7 M

(OR)

4. a) Explain MPEG 1 with encoding schematics. 8 M

b) Explain MPEG 4 with encoding & decoding schematics. 7 M

5. a) Discuss FDDI with an example. 7 M

b) Explain Dijkstra shortest path – first routing algorithm with an example. 8 M

(OR)

6. a) Discuss Token Ring principle operation and frame format. 8 M

b) Describe IPV6 address structure. 7 M

7. a) Explain ATM LAN architecture with neat sketch. 8 M

b) Discuss User services in TCP. 7 M

(OR)

8. a) Explain wide area ATM networks in ATM MAN'S. 8 M

b) Describe TCP/IP protocol suite. 7 M