B.Tech. (IT) (2012 to 2017 E-III) (Sem.–7)
MULTIMEDIA AND APPLICATIONS
Subject Code : BTCS-910
M.Code : 71991

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

Write briefly :

1. Distinguish between Multimedia and Hypermedia Systems.

2. What is the role of Multimedia Server?

3. What is DVI technology?

4. Compare lossy and lossless compression.

5. What is MPEG video format?

6. Which MPEG video standard has least bandwidth requirements?

7. What is MIDI?

8. Write short note on TV standards.

9. What is the storage size required to store a binary image of size 1024×1024.

10. How image differs from video?

SECTION-B

11. List various image compression formats. Explain any one in detail.

12. What are the various authoring tools which are used to design a multimedia project? Explain.

13. Explain Huffman CODING algorithm with suitable example.

14. Explain the role of Multimedia in Education and Business.

15. How analog sound signal is converted to digital sound signal? Explain.

SECTION-C

16. Compare the different file formats used for images on the basis of different parameters.

17. Explain Lempel-Ziv-Welch (LZW) algorithm in detail.

18. Write short notes on :

    a. GIF Compression

    b. RAID

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.