Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (CSE) (2012 to 2017 E-III)   (Sem.–7)
MULTIMEDIA AND APPLICATION
Subject Code : BTCS-910
M.Code : 71902

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

Answer briefly :

1.   What are different Multimedia Authoring Tools?

2.   What are the characteristics of Multimedia?

3.   List some audio file formats used in Multimedia.

4.   Compare Lossy and Lossless Compression

5.   Define QOS.

6.   What is the difference between MPEG-1 and MPEG-2?

7.   What are different video compression techniques available?

8.   What is Pattern Substitution?

9.   Define Nyquist's Sampling Theorem.

10.   Differentiate between Hypermedia and Hypertext.

SECTION-B

11. Discuss the hardware requirements of a Multimedia System.

12. How P-frames are encoded in MPEG-1? Explain in detail.

13. Discuss in detail the different features of digital representation of sound.

14. Write a short note on DVD and its standards.

15. Explain in detail the types of color models used in Images.

SECTION-C

16. Discuss in detail the different applications of Multimedia.

17. Write short notes on :

    a. GIF Compression

    b. Multimedia Servers

18. Explain Adaptive Huffman Coding and compare it with Arithmetic Coding using an example string.

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.