B.Tech.(CSE)(2012 to 2017 E-III)   (Sem.–7,8)
MULTIMEDIA AND APPLICATION
Subject Code : BTCS-910
M.Code : 71902

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION 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 has to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.**

SECTION-A

Answer briefly :

1. What are elements of Multimedia?

2. Write hardware's for Multimedia?

3. Define open document architecture.

4. How multimedia server is different from simple server?

5. Discuss the basic concept of MIDI.

6. Define Nyquist's sampling Theorem.

7. Write the role Entropy encoding in compression.

8. Give the introduction of differential encoding.

9. Write a note on PNG format.

10. Discuss H. 261 compression standard.

SECTION-B

11. How Multimedia authoring tools provide the framework for organizing and editing the elements of a multimedia project?

12. Write a short note DVD and its standards.

13. Define following :

    a. QoS

    b. JPEG compression

14. Write the steps of Lempel-Ziv-Welch Algorithm.

15. List different image compression formats. Give the features of any one.

SECTION-C

16. What are multimedia standards? Discuss various multimedia standards for document interchange.

17. a) Write a short note on simple audio compression methods.

    b) Write any one method of MPEG video compression.

18. Write in detail the application of Multimedia in Internet of things (IoT). Illustrate the answer using any example.

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.