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Total No. of Pages :02

Total No. of Questions : 18

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.