

Roll No.

Total No. of Pages :02

Total No. of Questions : 18

B.Tech.(CSE)(2011 Onwards 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 is the main difference between hypermedia and hypertext?
2. What is dithering?
3. What is the difference between linear and non-linear multimedia?
4. What is quantization?
5. List the layers of H.261 picture frame.
6. What is the CMY color model?
7. What is the difference between MPEG-1 and H.261?
8. What is RAID level 2?
9. What is interlacing?
10. What is ODA?

SECTION-B

11. Write short note on the following :
 - a. Components of MIDI
 - b. Nyquist's Sampling Theorem
12. Explain the components of an authoring tool with respect to any multimedia software.
13. Explain sequential and 2D logarithmic methods of search for the motion vector.
14. What is guaranteed and best effort QoS service methods? Explain.
15. Explain the three Video Signal Formats.

SECTION-C

16. Explain the Lempel-Ziv-Welch (LZW) algorithm.
17. Discuss CD Storage and CD standards in detail.
18. Explain the various steps involved in JPEG compression.

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.