

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(IT) (2011 Onwards Elective-III) (Sem.-7,8)

MULTIMEDIA AND APPLICATION

Subject Code : BTCS-910

Paper ID : [A3059]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

- 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

1. Write briefly :

- a What are Multimedia types?
- b Write a short note on Multimedia hardware devices.
- c What is the use of ODA in multimedia?
- d Write the role of multimedia server.
- e Discuss the basic concept of MIDI.
- f Define Nyquist's sampling Theorem.
- g Write the role of pattern substitution in compression.
- h Write a short note on TV standards.
- i Write a note on hypermedia information data models.
- j What is H. 261 compression?

SECTION-B

- 2 What are various multimedia standards for document interchange?
- 3 Write a short note on compact disk and its standards.
- 4 Define following :
 - a. JPEG image compression standards
 - b. Distributed Multimedia Systems
- 5 Write a short note on Lempel-Ziv-Welch Algorithm.
- 6 List various image compression formats. Explain any one in detail.

SECTION-C

- 7 Explain components and latest trends of Multimedia.
- 8
 - a) Write a note on audio compression methods.
 - b) Write any one method of MPEG video compression.
- 9 Write in detail the application of Multimedia in building communication network with technical specification's including hardware and software.