

Roll No.

24166

B. Tech. 5th Semester (CSE)
Examination – December, 2014

MULTIMEDIA TECHNOLOGIES

Paper : IT-204-F

Time : Three hours]

[Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Student have to attempt *five* questions out of 9 questions. Question No. 1 is *compulsory* and *one* question from each of four Sections. All questions carry equal marks.

- 1. Explain the following :** **20**
- (i) Video on demand
 - (ii) GIF
 - (iii) Sub band coding
 - (iv) Application of Multimedia

SECTION – A

2. What is Multimedia ? Explain the framework for multimedia system. Also explain the multimedia devices in detail. 20
3. (i) What do you mean by Multimedia Servers and Databases ? Explain. 10
- (ii) Give a brief idea about Anti aliasing. 10

SECTION – B

4. (i) What do you mean by Editing and Capturing Images ? Explain. 10
- (ii) Give a brief idea about Image File formats. Explain. 10
5. (a) What do you mean by JPEG Statistical coding ? Explain. 10
- (b) Give a brief idea about 3D Drawing and Rendering. 10

SECTION – C

6. (i) Explain in detail about Audio Compression and decompression. 10

(ii) What do you mean by Transmission of Digital Sound ? Explain. 10

7. Explain : 20

(i) DVI Technology,

(ii) Time base Media Representation and Delivery.

SECTION – D

8. Explain in detail the concept of Virtual Reality. 20

9. Explain : 20

(i) VR Operating System

(ii) Intelligent VR Software Systems