

Roll No. ....

**24166**

**B. Tech 4<sup>th</sup> Sem. IT,**

**Examination - May, 2012**

**MULTIMEDIA TECHNOLOGIES**

**Paper : IT - 204 - F**

**Time : Three hours ]**

**[ Maximum Marks : 100**

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

- Note :** (i) Attempt *Five* Questions in total, at least *one* question from each section.  
(ii) Question No. 1 is compulsory.  
(iii) Each question carries equal marks(20 marks).

**1. Write short note on :** **5 x 4 = 20**

- (a) Morphing,
- (b) Antialiasing,
- (c) bitmaps,
- (d) Lossless versus Lossy compression.

**SECTION - A**

- 2. (a) Explain the framework for MM system. 10**  
**(b) Explain ADSL 10**

3. (a) Describe various MM authoring tools. 10  
(b) Explain various animation techniques. 10

### SECTION – B

4. (a) Describe the color models used in monitors and printers. 10  
(b) Describe various image file formats. 10
5. (a) Explain the architecture of JPEG. 10  
(b) What are still images ? Define various ways of making still images. 10

### SECTION – C

6. (a) What is digital representation of sound ? 10  
(b) Explain MIDI. 10
7. (a) Write a note on time based media representation. 10  
(b) What are stereophonic and quadrasonic signals ? 10

### SECTION – D

8. (a) Give various application of MM. 10  
(b) Explain Desktop virtual reality. 10
9. (a) Explain Intelligent MM system. 10  
(b) Discuss the VR visually coupled system requirements. 10