

24166

B.Tech. 4th Semester CS & IT F. Scheme Examination,  
May-2014

**MULTIMEDIA TECHNOLOGY**

**Paper-IT-204-F**

*Time allowed : 3 hours]*

*[Maximum marks : 100*

*Note : Attempt five questions taking at least one question from each section. Question No. 1 is compulsory.*

1. (a) What is anti aliasing ? 10×2  
(b) What is morphing ?  
(c) Define multimedia database.  
(d) What is the use of color palattes ?  
(e) What are predictive losses ?  
(f) Define digital multimedia system.  
(g) What do you mean by speech recognition ?  
(h) What is use of musical instrument digital interface ?  
(i) Name two methods of encoding a digital signal.  
(j) Write two uses of intelligent multimedia system.

(2)

24166

3. (a) What are CD-ROM and CD-I technology ?  
Compare these two techniques.  $2 \times 10$
- (b) Explain in short ADSL network used for multimedia distribution.

**Section-B**

4. Explain :  $2 \times 10$
- (a) PNG
- (b) TIFF.
5. What is JPEG file ? Explain its objective and architecture. Also explain JPEG statistical method.  $20$

**Section-C**

6. Write note on :  $2 \times 10$
- (a) Transmission of digital sound.
- (b) Time base multimedia.

( 3 )

24166

**Section-D**

8. (a) What is desktop virtual reality ? Explain.  $2 \times 10$   
(b) Explain Intelligent multimedia systems.
9. Explain any *two* :  $2 \times 10$   
(a) Applications of multimedia  
(b) Virtual environment display.