B.Tech. 4th Semester (CS & IT) F-Scheme
Examination, May–2018
MULTIMEDIA TECHNOLOGIES
Paper–IT–204–F

Time allowed : 3 hours]   *[Maximum marks : 100*

Note : *Attempt **five** questions selecting **one** question from each section and. **Q. No. 1 is compulsory**.*

1. Write a short note on the following :   20

   (a) What are predictive losses ?

   (b) Briefly explain Color palettes.

   (c) Explain image file format TIFF & BMP ?

   (d) Describe ATM briefly.

Section–A

2. Define Multimedia. Give classification of Multimedia. Discuss various applications of Multimedia.   20

3. (a) What are CD-ROM and CD-I technology ? Compare these two techniques.   10

   (b) Describe the terms shading, anti-aliasing and morphing.   10

Section–B

4.   (a)   What are the objectives of JPEG ? Explain the
           architecture of JPEG in detail.   10

     (b)   Briefly explain :   10

           (i)   Editing and capturing images

           (ii) 3D-drawing and rendering

5.   (a)   How to making still images and editing and
           capturing the images are performed ?   12

     (b)   Write a short note on vector drawing.   8

Section–C

6.   Explain architecture of MPEG in detail.   20

7.   (a)   Discuss the digital audio signal processing and
           digital video in detail.   12

     (b)   Write a short note on time base media
           representation and delivery.   8

Section–D

8.   (a)   Explain the architecture of intelligent multimedia
           system in detail.   12

(b) Describe intelligent VR software systems and desktop virtual reality. 8

9. Briefly explain the following : 20

   (a) Virtual environment displays and orientation making.

   (b) Visual coupled system.

   (c) VR operating system.