24166

B.Tech. 5th Semester (CSE) F-Scheme Examination,
December–2017
MULTIMEDIA TECHNOLOGIES
Paper–IT-204-F

Time allowed : 3 hours]　　　　　　　　[Maximum marks : 100

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

1. (a)　What is anti aliasing ?
   (b)　What are predictive losses ?
   (c)　Define morphing.
   (d)　Multimedia databases.
   (e)　What are color palates ?
   (f)　What is TIFF ?
   (g)　Explain CD-1.
   (h)　Define ATM.
   (i)　Write two uses of intelligent multimedia system.
   (j)　What is the use of MIDI ?　　　　　　　　20

Section–A

2. (a)　What are CD-ROM and CD-1 technology ?
   　　　Compare these two techniques.　　　　10
   (b)　Describe multimedia. Explain the framework of
   　　　multimedia system.　　　　　　　　10

3. (a)　Explain multimedia distribution network ATM in
   　　　detail.　　　　　　　　　　　　　　10
   (b)　Explain the terms shading, morphing and anti
   　　　aliasing.　　　　　　　　　　　　　10

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Section–B

4. (a) What are the various models of JPEG encoding schemes ? Explain JPEG image compression standards.   10

   (b) Compare BMP and TIFF file formats.   10

5. (a) Explain various computer color models in detail.   10

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

Section–C

6. Write note on following :

   (i) Transmission of digital sound

   (ii) DVI technology.   20

7. Explain architecture of MPEG with different levels of hierarchy.   20

Section–D

8. (a) What is desktop virtual reality ? Explain.   10

   (b) Explain intelligent multimedia system in detail.   10

9. Write note on :

   (a) VR operating system

   (b) Intelligent VR software systems.   20