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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

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Section–B

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

    (b) Briefly explain : http://haryanapapers.com   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

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(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.