Roll No. ....   **Total No. of Pages : 2**

BT6/M11   8605

Multimedia Techniques
Paper : CSE-321

Time : Three Hours]   [Maximum Marks : 100

Note :— (1) Attempt any *five* questions in all, selecting at least *one* question from each unit.

(2) All questions carry equal marks.

UNIT–I

1. (a) What do you mean by voice morphing ? What are its applications ?   10

   (b) Write the name of any three commonly used professional web development tools and discuss the important features of any one of them.   10

2. Differentiate between :—

   (a) Internet, LAN and World Wide Web.   10

   (b) Vector graphics and animation technologies.   10

UNIT–II

3. (a) Discuss any important method used for capturing and editing the images.   10

   (b) What do you mean by computer color models and color palates ?   10

4. (a) How a picture or images is stored using JPEG ?   15

   (b) What are the main features of PNG format ?   5

UNIT–III

5. (a) How analog signals are digitally represented ? What should be the sampling rate and quantization bits ?   12

   (b) What is Fourier transformation ? Why it is used ?   8

8605   1   (Contd.)

6. Write short note on 'Musical Instrument Digital Interface' (MIDI) and digital video and image compression.   20

UNIT–IV

7. What do you mean by intelligent multimedia systems ? Discuss its main features and its role in today's environment.   20

8. Write short notes on the following :—

   (a) Virtual reality and its role in education.   10

   (b) Intelligent virtual reality software systems.   10

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