

Roll No.

Total Pages : 02

GSQ/D-23
MULTIMEDIA TOOLS
BCA-356

1138

Time : Three Hours]

[Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

(Compulsory Question)

1. (a) What is JPEG standard ?
- (b) What is MIDI ?
- (c) What do you mean by Raster Image ?
- (d) What is HDTV ?
- (e) What is MPEG standard ?
- (f) What do you mean by video compression ?
- (g) What is VRML ?
- (h) What is CCIR ?

8×2=16

Unit I

2. What is Multimedia ? Discuss the application of multimedia in various fields with suitable examples. **16**

3. Write short notes on the following :

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- (i) Multimedia and hypermedia.
- (ii) Components of multimedia.

Unit II

4. What do you mean by a file ? Describe various file formats.

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5. What do you understand by color models ? Explain different color models in image and video.

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Unit III

6. What is MIDI ? What is the structure of MIDI messages ? Write advantages and disadvantages of MIDI.

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7. What is differential coding of audio ? Explain adaptive differential pulse code modulation.

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Unit IV

8. What do you understand by data compression ? Explain various types of data compression techniques.

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9. What do you mean by video compression ? Explain H.261 video compression technique.

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