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P. Pages : 2

Time : Three Hours

**NRT/KS/19/3586**

Max. Marks : 80

- Notes :
1. All questions carry marks as indicated.
  2. Solve Question 1 OR Questions No. 2.
  3. Solve Question 3 OR Questions No. 4.
  4. Solve Question 5 OR Questions No. 6.
  5. Solve Question 7 OR Questions No. 8.
  6. Solve Question 9 OR Questions No. 10.
  7. Solve Question 11 OR Questions No. 12.
  8. Due credit will be given to neatness and adequate dimensions.

1. a) Explain the application of multimedia system? 7
- b) Define a elements of multimedia? 6

**OR**

2. a) Write short note on:- 7
- i) Virtual reality
- ii) Video conferencing.
- b) Explain the types of Multimedia? 6
3. a) Explain the communication devices used in multimedia? 7
- b) Justify the rule of Authoring tools in multimedia? 6

**OR**

4. a) Explain memory and storage hardware devices used for multimedia? 7
- b) Write note on Macintosh and windows platform for development? 6
5. a) What is Hypertext? Explain in detail the Hypermedia? 7
- b) Explain the MIDI and give advantages and disadvantages of MIDI over. 7

**OR**

6. a) What is difference between 8 bit image data types and 24 bit colour data types? What are look up tables? Explain? 8
- b) Explain dithering? 6

7. a) Explain the compression and what is Data compression scheme? 7
- b) Explain the binary image compression? 6

**OR**

8. a) Explain the lossy compression Encoding? 7
- b) What is difference between lossless and lossy compression? 6
9. a) Define multimedia Databases. Explain optimization of multimedia databases? 7
- b) Explain the different file format of sound and movies? 7

**OR**

10. a) Discuss MPEG compression for video? 7
- b) Explain the working of each team member of multimedia team in detail? 7
11. a) Explain virtual reality designing and modeling (VRML) in detail? 7
- b) Explain the process of making multimedia production? 6

**OR**

12. Short Note on:- 13
- i) Multimedia on web page
- ii) Copyright
- iii) Plugins and delivery vehicles.

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~ Babe Ruth

