

Elective - I : Multimedia Systems

P. Pages : 2

Time : Three Hours



NKT/KS/17/7502

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.
 9. Assume suitable data whenever necessary.
 10. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) Explain the application areas of multimedia. 8
- b) Write short note on:- 5
- i) Video conferencing.
 - ii) Virtual reality.

OR

2. a) Define Multimedia. Describe the types of Multimedia. 6
- b) Explain elements of Multimedia in detail. 7
3. a) Write short note on connection devices. 5
- b) Explain the Communication devices used in multimedia. 8

OR

4. a) Explain memory and storage hardware devices used for multimedia. 6
- b) Justify the role of Authoring tools in multimedia. 7
5. a) Explain the different types of color models used in Multimedia. 8
- b) What are the different principles of animation? Explain them. 6

OR

6. a) Write note on:- 7
- i) Bitmap Images.
 - ii) Vector based Images.
- b) Explain different animation techniques. 7

7. a) Define Data compression. Explain the different types of compression techniques and the need of Data compression. 8
- b) Explain the lossy compression method of JPEG encoding. 6

OR

8. a) What is lossless and lossy compression technique? Differentiate them. 7
- b) Explain MPEG, Video compression technique. 7
9. a) What are the different file formats for images? Explain them. 5
- b) Define multimedia Databases. Explain organization of multimedia Databases. 8

OR

10. a) Explain the different multimedia skills required for project development. 6
- b) Explain the different file format for sound and movies. 7
11. a) What is the role of navigation and structural depth in designing the structure of multimedia project. 7
- b) Write short note on following. 6
- i) Production.
 - ii) Tracking.
 - iii) Copyrights.

OR

12. a) Explain virtual reality designing and modeling (VRML) in detail. 7
- b) Write note on following. 6
- i) Multimedia on web.
 - ii) Plug-ins and delivery vehicles.
