

Extra

N.B (1) Attempt any five questions.

(2) Assume suitable data if required.

1. (a) Explain RIFF WAVE and BMP file formats in detail. 10
 (b) Explain human factors and design considerations with respect to virtual reality. 10
2. (a) Explain different multimedia application classes and suggest an application with shared workspaces and execution environment. 10
 (b) Explain MPEG compression in detail. 10
3. (a) State multimedia system design considerations for specific project. 10
 (b) Explain different types of multimedia authoring system. 10
4. (a) Explain IP multicast, RTP, RTCP, RSVP and RTSP. 10
 (b) Explain characteristics of Voice Recognition and suggest application using VR. 10
5. (a) Explain working of Image scanner and Image enhancement techniques used in it. 10
 (b) Design web pages using multimedia objects for e-learning web-site maintained by educational institute. 10
6. (a) Draw workflow for typical imaging application used in museum. 10
 (b) Suggest typical multimedia laboratory setup by listing devices with specification and utility of each. 10
7. Write short note on (any two) :— 20
 - (a) Multimedia architectural and Telecommunicational Considerations.
 - (b) Sound Board and Video Grabber Card Architecture.
 - (c) Multimedia data bases.