

Total No. of Questions :10]

SEAT No. :

**P2913**

**[4958]-1108**

[Total No. of Pages :2

**T.E. (Information Technology)**  
**MULTIMEDIA TECHNOLOGIES**  
**(2012 Course) (Semester -II) (End-Semester) (314452)**

*Time : 2½ Hours]*

*[Max. Marks :70*

*Instructions to the candidates:*

- 1) All questions are compulsory.*
- 2) Neat diagram must be drawn wherever necessary.*
- 3) Figures to the right indicates full marks.*
- 4) Assume suitable data, if necessary.*

- Q1) a)** What is Distributed Multimedia System explain with suitable example.[5]
- b) What is Authoring Tools. Explain the Authoring tools used in a Education field. [5]

OR

- Q2) a)** What is a need of image enhancement? Explain any one image enhancement technique. [5]
- b) What are different Image File Format explain each. [5]
- Q3) a)** What are various audio compression techniques? Explain any one in brief. [5]
- b) Write a short note on characteristic of sound wave Amplitude, frequency, Waveform, Speed. [5]

OR

- Q4) a)** What are the Multimedia Supported audio formats in Android. [5]
- b) Explain text compression technique Huffman Encoding with suitable example. [5]

**P.T.O.**

- Q5)** a) What is component, composite and S-video signal formats with there application. [8]
- b) Explain each video transmission standard briefly. [8]

OR

- Q6)** a) What is a need of video file formats? Explain AVI and H.261 briefly. [8]
- b) What is digitization of video? Explain process of digitization of video. [8]
- Q7)** a) What is OpenGL? Explain OpenGL shadowing and rendering technique. [8]
- b) What is Animation? Explain different technique used to create Animation. [8]

OR

- Q8)** a) Enlist the 12 principles of Animation. Explain any three in detail. [8]
- b) What is Steaming Technology? Explain RTSP and RTP Protocols used for streaming. [8]
- Q9)** a) What is Virtual Reality? Describe the devices used in Virtual Reality. [6]
- b) Explain GStreamer based Multimedia Framework. [6]
- c) Explain CCD and its use in the multimedia application. [6]

OR

- Q10)** a) Explain the need for synchronization in multimedia applications. State and explain types of synchronizations. [6]
- b) Explain the terms Multimedia over IP and Media on demand briefly. [6]
- c) Describe Android Multimedia Framework Architecture. [6]

*EEE*