



Total No. of Questions : 6]

SEAT No. :

**P110**

**APR.-16/TE/Insem.-47**

[Total No. of Pages : 1

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

*Time : 1½ Hour]*

*[Max. Marks : 30*

*Instructions to the candidates:*

- 1) *Answers Question 1 or 2, 3 or 4,5 or 6.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume Suitable data, if necessary.*

- Q1)** a) What are the major services provided by “Distributed multimedia system”. [5]  
b) Explain in detail streaming stored Audio & Video and live audio-video. [5]

OR

- Q2)** a) Explain the LZW algorithm with example. [5]  
b) Explain Multimedia database architectures. [5]

- Q3)** a) Explain the following concepts of images pixel, Resolution, Aspect Ratio, Bit Depth, Dynamic range. [5]  
b) Write different techniques for image enhancement by point processing. [5]

OR

- Q4)** a) Explain Arithmetic coding algorithm. [5]  
b) Explain the Fractal image compression algorithm. [5]

- Q5)** a) How the MIDI chains and loops are formed. [5]  
b) Explain different types of data blocks for voc file format. [5]

OR

- Q6)** a) What is Delta Modulation. Explain modulator and Demodulator. [5]  
b) Write about any two Multimedia supported Audio formats for Android. [5]

