TE/Insem/APR - 47
T.E. (Information Technology)
MULTIMEDIA TECHNOLOGY
(2012 Pattern) (Semester - II)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.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 is multimedia? Explain different building blocks of Multimedia.**[5]**

b) What are various multimedia products? Explain briefing and reference products in detail. **[5]**

OR

Q2) a) Define Multimedia. Why is multimedia important? Draw and explain general overview (architecture) of a multimedia system. **[5]**

b) Explain LZW Encoding Algorithm of compression. **[5]**

Q3) a) What are sharpening and smoothening filters? Discuss any two in each case. **[6]**

b) Write a short note on color image histogram. **[4]**

OR

Q4) a) Explain Arithmetic coding algorithm for image compression. **[5]**

b) What is multimedia Streaming? Explain different streaming methods with neat sketches. **[5]**

P.T.O.

Q5) a) Write and explain various image enhancing techniques. **[5]**

b) What are various image file formats? Explain TIFF and GIF file format.**[5]**

OR

Q6) a) Explain Predictive coding and delta modulation audio compression technique. **[6]**

b) Explain WAV,. WMA,. MP3 Audio file formats. **[4]**

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