

Total No. of Questions : 12]

SEAT No. :

P1788

[4859]-190

[Total No. of Pages : 2

B.E. (Information Technology)
c-MULTIMEDIA SYSTEMS
(2008 Course) (Semester-I) (Elective-II)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) Answers to two sections should be written in separate answer sheets.*
- 2) Answer Q. 1 or Q. 2, Q. 3 or Q. 4, Q. 5 or Q. 6 from Section-I*
- 3) Answer Q. 7 or Q. 8, Q. 9 or Q. 10, Q. 11 or Q. 12 from Section-II.*
- 4) Neat diagrams must be drawn wherever necessary.*
- 5) Figures to the right indicate full marks.*
- 6) Use of calculator is allowed.*
- 7) Assume suitable data if necessary.*

SECTION-I

- Q1)** a) Explain goals and objectives of the multimedia system. Explain applications of multimedia. [6]
- b) Explain LZ and LZW text compression technique. [6]
- c) What are different text file formats? Explain any two in detail. [6]

OR

- Q2)** a) Explain distributed multimedia applications. [6]
- b) Explain ODA and OMF architecture. [6]
- c) What is multimedia authoring? State and explain various types of multimedia authoring tools. [6]

- Q3)** a) Elaborate on JPEG and BMP image file formats. [8]
- b) Explain Shannon-Fano algorithm with example. [8]

OR

- Q4)** a) Explain types of compression. Differentiate between intra frame and inter frame compression. [8]
- b) Explain image acquisition and enhancement. [8]

P.T.O.

- Q5)** a) Draw and explain nature of sound wave. Explain its characteristics. [8]
b) Explain any two audio file formats in detail. [8]

OR

- Q6)** a) Write short note on ADPCM. [8]
a) Explain different types of amplifiers. [8]

SECTION-II

- Q7)** a) Explain any two video signal format. [6]
b) Explain AVI and MOV video file format. [6]
c) Explain Laser Disc and VCD. [6]

OR

- Q8)** a) Write short note on HDTV and CIF. [6]
b) Explain DVCAN and Camcorder. [6]
c) Explain DVD formats. [6]

- Q9)** a) What is virtual reality? Explain applications of Virtual Reality. [8]
b) Write short note on VRML. [8]

OR

- Q10)** a) Explain 3D sound system. [8]
b) Write a short note on Virtual Reality chair. [8]

- Q11)** a) What is animation? Explain any three principles of animations. [8]
b) Explain morphing, Rotoscoping and flip book animation. [8]

OR

- Q12)** a) Explain animation using Flash. [8]
b) Write note on 3D animation. [8]

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