

Total No. of Questions : 12]

SEAT No. :

[Total No. of Pages : 2

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[4461] - 35

S.Y. M.C.A. (Engineering Faculty) (Semester - III)

PRINCIPLES OF MULTIMEDIA

(2008 Course)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6 From Section I and Q7 or Q8, Q9 or Q10, Q11 or Q12 From Section - II.
- 2) Answers to the two sections must be written on separate answer books.
- 3) Assume suitable data, if necessary.
- 4) Neat diagrams must be drawn wherever necessary.
- 5) Figures to the right indicate full marks.

SECTION - I

Q1) a) Define Multimedia with a suitable example. What are its goals and objectives? [6]

b) Explain multimedia database system. [6]

OR

Q2) a) Explain progressive download with suitable example. [6]

b) Explain characteristics of multimedia presentation. [6]

Q3) a) Differentiate : [6]

i) symmetrical and asymmetrical compression.

ii) RLE algorithm and Shannon-Fano algorithm.

b) Explain the given image file formats i) GIF ii) JPEG [6]

OR

Q4) a) Explain basic image fundamentals. What are image data types? [5]

b) Explain Shannon Fano algorithm. Calculate the compression ratio using Shannon-Fano algorithm for the following input of given 5 symbols. [7]

Symbol	Count
A	24
B	12
C	10
D	8
E	8

P.T.O.