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SEAT No. :

[Total No. of Pages : 2

BE/INSEM/APR-601

B.E. (I.T.) (Semester - II)

414464 C : MULTIMEDIA TECHNIQUES

(2015 Pattern) (Elective - III)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to right side indicate full marks.
- 4) Use of calculator is allowed.
- 5) Assume suitable data, if necessary.

Q1) a) Justify - Multimedia cannot be skipped in daily life of any person. [5]

b) Explain hardware and software components required for multimedia system. [5]

OR

Q2) a) What are the goals and objectives of multimedia system? [5]

b) Explain multimedia workstation architecture. [5]

Q3) a) Justify that - The text compression of input "SPEAKER" using Shannon Fano is appropriate considering entropy. Find compression ratio. [5]

b) What are the properties and applications of Huffman encoding technique? [5]

OR

Q4) a) What are different stages in image processing cycle? [5]

b) Why BMP file of an image is always large in size then jpeg of same image? [5]

P.T.O.

Q5) a) Compare NTSC, PAL and SECAM TV Standards w.r.t. specifications and usage. [5]

b) Explain MPEG encoder with suitable diagram. [5]

OR

Q6) a) What is chroma subsampling technique? Explain with suitable diagrams. [5]

b) What are the characteristics of sound waves? [5]



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