5425/MJ

H-6/2051

Multimedia Systems-210

Sem-IV

M.M.-50

Tiem-3hrs

Note: Attempt *seven* questions in all selecting *three* questions each from section A and B and the *entire* section C.

Section – A

I. What are the various features of multimedia systems? 5

II. Explain in detail various multimedia standards for document interchange. 5

III. What is RAID? Explain various levels of RAID. 5

IV. Explain different color models in images. 5

V. What is a DVD? Explain various standards of DVD. 5

Section – B

VI. Explain the difference between lossy and lossless compression. 5

VII. Differentiate between huffman encoding and run-length encoding with the help of an example. 5

VIII. Explain in detail about H.261 and MPEG video bit stream. 5

IX. Write short note on multimedia system architecture. 5

X. Differentiate between audio compression methods: PCM and DPCM. 5

Section – C
(Compulsory Question)

XI. Answer the following:

a. Differentiate between hypermedia and hypertext. 2

b. Define document architecture. 2

c. Differentiate between DVD and CD. 2

d. Name various storage media. 2

e. What are the various types of video signals? 2

f. Explain breifly about MIDI. 2

g. Define Quality of Service. 2

h. What do you mean by vector quantization? 2

i. Differentiate between intra-frame and inter-frame coding. 2

j. Name various components that are used for audio compression. 2