



Name :

Roll No. :

Invigilator's Signature :

CS/M.Tech(ECE-NEW)/SEM-2/MC-204B/2011

2011

MULTIMEDIA COMMUNICATION

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

Answer any *five* questions.

5 × 14 = 70

1. a) Briefly describe the LZW method of text compression. 7
- b) What is the function of a psychoacoustic model in audio
 compression ? 7
2. a) What is run length encoding ? 4
- b) What is the idea behind Huffman coding ? 4



- c) What are the forms of digital image representation
(color) ? 6
3. a) Show the steps for MPEG audio compression. 10
- b) Define CD-quality audio standard. 4
4. a) Show the steps for JPEG image compression. 10
- b) Briefly describe a method for digital representation of
documents. 4
5. In the context of MPEG video compression, define
- a) motion estimation. 4
- b) I, P, B frames. 3
- c) MPEG4. 7



6. a) Using a block diagram explain the speech synthesis technique in either of 2G GSM/CDMA system. 7

- b) Write a note on internet access using a mobile device.

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