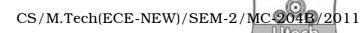
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Invi	gilato	r's Signature :		
		CS/M.Tech(ECE-NEW)/Si	EM-2/MC-204B/2011	
2011				
		MULTIMEDIA COMMU	NICATION	
Time Allotted: 3 Hours			Full Marks : 70	
		The figures in the margin indic	ate full marks.	
Са	ndide	ates are required to give their ans	swers in their own words	
		as far as practic	cable.	
		Answer any <i>five</i> ques	stions. $5 \times 14 = 70$	
1.	a)	Briefly describe the LZW metho	od of text compression.	7
	b)	What is the function of a psych	noacoustic model in audic)
		compression?	7	7
2.	a)	What is run length encoding?	4	4
	b)	What is the idea behind Huffma	an coding?	4

[Turn over

30318 (M.Tech)

CS/M.Tech(ECE-NEW)/SEM-2/MC-204B/2011 What are the forms of digital image representation c) (color)? 3. Show the steps for MPEG audio compression. 10 a) Define CD-quality audio standard. 4 b) 4. Show the steps for JPEG image compression. 10 a) b) Briefly describe a method for digital representation of documents. 4 5. In the context of MPEG video compression, define motion estimation. a) 4 I, P, B frames. 3 b) MPEG4. 7 c)



- 6. a) Using a block diagram explain the speech synthesis technique in either of 2G GSM/CDMA system.
 - b) Write a note on internet access using a mobile device.

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