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Roll No		Total Pages: 3		
	BT-8/D-17	38012		
MULTIMEDIA COMMUNICATIONS  Paper: ECE-406E				
Time: Three Hours]		[Maximum Marks: 100		
Note: Attempt five questions in all selecting at least one question from each unit. All questions carry equal marks.				
UNIT-I				
Exp	•	imedia communication ? cations of multimedia 10		
com	_	uired in multimedia the various methods of method of digitization.		
2. How text, images, audio and video are represented in multimedia communications? Give one example of each case.  20				
UNIT-II				
3. Discuss th	ne following:			
(a) Loss	less and lossy Compression	on. 5		
(b) Sour	ce Encoders and Destinat	ion Decoders. 5		
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	(c)	Entropy Encoding.	5	
	(d)	Source Encoding.	5	
4.	(a)	With an example discuss the LZ compression algorit for text compression.	thm 10	
	(b)	Explain JPEG standards in detail. Why JPEG standards the image into blocks before DCT transform. Why not just apply DCT transform to the whole image.	m ? _	
		UNIT-III		
5.	(a)	With the help of block diagram explain the workin differential PCM. http://www.kuonline.in	g of 10	
	(b)	Discuss the basic principle of video compression. Explain in detail about the H.263 video compression standard.		
		in detail about the 11.200 viete temperature	10	
6.	Ex	plain the following:		
	(a)	Code Exited LPC.	10	
	(b)	Dolby Audio Encoding Method.	10	
		UNIT-IV		
7.	(a)	What is recursive name resolution? Explain wis example show the sequence of messages exchange recursive name resolution.		

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- (b) Discuss domain name structure. How is it used for domain name system in Internet?
- 8. (a) What is the principle of Internet Telephony? How does it work? Discuss with proper diagram. 10
  - (b) What is World Wide Web (WWW)? How is WWW useful for searching multimedia information on the Internet? Explain.