

	P(	<b>D8EC767</b> Page No 2	
4	a.	Draw and explain the basic operation of LZW (Lempel - Ziv -Welsh) coding algorithm.	10
	b.	<ul><li>Write a short note on the following topics with respect to forward DCT of JPEG encoder,</li><li>i) Image Preparation ii) Block Preparation.</li></ul>	10
PART - B			
5	a.	Draw and discuss the Encoder and Decoder schematic of DPCM. Mention the Encoder timing diagram.	10
	b.	A digitized video is to be compressed using the MPEG – 1 standard. Assuming a frame sequence of IBBPBBPBBBI and average compression ratios of 10 : 1 (I), 20 : 1 (P), and 50 : 1 (B), derive average bit - rate that is generated by the encoder for both NTSC and PAL digitization formats.	10
6	a.	Elaborate the general structure of TCP / IP reference model with the help of evolution and application. Draw necessary diagrams.	10
	b.	Draw and explain the structure of H. 323 Interpersonal communication standards for packet switched networks.	10
7	a.	Explain the following topics with reference to interactive applications over the internet, i) Information Browsing ii) E - commerce.	10
	b.	Draw and explain the schematic of cable modem Termination System (MTS).	10
8	a.	Describe the basic principle and terminology associated with the world wide web. Draw the neat block diagram.	10
	b.	Define the following terms with respect to Web :	
		i) URLs and HTTP	
		ii) HTML	10
		iii) Java Applet	10
		iv) Java Script	
		v) Forms and CGI scripts.	

\* \* \* \*