Total No. of Questions: 12]	SEAT No. :
P1091	[Total No. of Pages :2

[4659] - 213 B.E. (IT)

	Dilli (11)	
	C-MULTIMEDIA SYSTEMS	
	(2008 Course) (Semester - I) (Elective - II)	
:3	Hours] [Max. Marks :	100
ucti	ons to the candidates:	
<i>1)</i>	Answer Q1 or Q2, Q3 or Q4, Q5 or Q6 from Section I.	
<i>2)</i>	Answer Q7 or Q8, Q9 or Q 10, Q 11 or Q 12 from Section II.	
<i>3)</i>	Answers of each section should be written in separate answer books.	
	Neat diagrams must be drawn wherever necessary.	
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	<u>SECTION - I</u>	
a)	What is Multimedia Presentation? Describe its important characteristics.	[6]
b)	State and explain the basic components of Multimedia.	[6]
c)	Distinguish between Huffman Coding & LZW text Compress techniques.	ion [6]
	OR	
a)	What is Steaming Media and why is it required explain in detail.	[6]
b)	State and Explain the characteristics of Multimedia DBMS.	[6]
c)	Explain the hardware and software required for multimedia product work.	tion [6]
a)	What is color model? Differentiate CIE lab and HSB color model.	[8]
b)	What is image compression? Explain in brief, the lossless im- compression techniques.	age [8]
	OR	
a)	Explain how anti-aliasing and dithering can improve image quality.	[8]
b)	Compare special filtering and point processing techniques.	[8]
	a) b) c) a) b) a)	C-MULTIMEDIA SYSTEMS (2008 Course) (Semester - I) (Elective - II) 2: 3 Hours] [Max. Marks: uctions to the candidates: 1] Answer Q1 or Q2, Q3 or Q4, Q5 or Q6 from Section I. 2] Answer Q7 or Q8, Q9 or Q 10, Q 11 or Q 12 from Section II. 3] Answers of each section should be written in separate answer books. 4] Neat diagrams must be drawn wherever necessary. 5] Figures to the right indicate full marks. 6] Use of Calculator is allowed. 7] Assume Suitable data if necessary. SECTION - I a) What is Multimedia Presentation? Describe its important characteristics. b) State and explain the basic components of Multimedia. c) Distinguish between Huffman Coding & LZW text Compress techniques. OR a) What is Steaming Media and why is it required explain in detail. b) State and Explain the characteristics of Multimedia DBMS. c) Explain the hardware and software required for multimedia product work. a) What is color model? Differentiate CIE lab and HSB color model. b) What is image compression? Explain in brief, the lossless imcompression techniques. OR a) Explain how anti-aliasing and dithering can improve image quality.

Q5)	a)	What are the basic components of an audio system? Describe th functions.	eir [8]
	b)	State and Explain any two audio file formats in detail.	[8]
		OR	
Q6)	a)	Explain various fundamental characteristics of sound.	[8]
	b)	What is MIDI? Distinguish between channel messages and systemessages.	em [8]
		<u>SECTION - II</u>	
Q7)	a)	Distinguish between component, composite and S video signal format.	[6]
	b)	What do you mean by Video recording system? Explain VHS in detail.	[6]
	c)	What is meant by croma sub-sampling? Explain how does it helps bandwidth reduction.	in [6]
		OR	
Q8)	a)	Distinguish between H.261 and H.263.	[8]
	b)	Explain any two Video file formats.	[5]
	c)	What is meant by frames and frame rate in connection with motion video?	[5]
Q9)	a)	Compare HMD and Data-glove.	[8]
	b)	Differentiate between Virtual Reality and Augmented Reality.	[8]
		OR	
Q10) a)	What is VRML? Explain Structure of VRML.	[8]
	b)	Explain in detail different types of peripheral devices used in VirtuReality application.	ual [8]
Q 11,) a)	Explain Onion Skinning animation and its utility.	[4]
	b)	How does Motion Cycling help to create compact animation sequence.	[4]
	c)	Elaborate any two principles of animation with example.	[8]
		OR	
Q12) a)	Elaborate the role of animation on web.	[8]
	b)	What is meant by Key framing and tweeting? Explain their importance.	[8]