322673(33)

BE 6th Semester
Examination April-May 2021
Branch: CSE (New Scheme)

Multimedia & Virtual Reality

Time Allowed : Three Hours

Maximum Marks : 80   **Passing Marks : 28**

Note:	(i) Attempt all questions.	
	(ii) Part (a) of each question is compulsory. Attempt any **two** from (b), (c) and (d) parts of each question.	
	(iii) Assume if any data is missing.	

UNIT-I

1.	(a)	Define Data Stream.	[2]
	(b)	Write down main properties of Multimedia.	[7]
	(c)	Write down 7 multimedia applications.	[7]
	(d)	What are the various characteristics of continuous multimedia?	[7]

UNIT-II

2.	(a)	Define MIDI.	[2]
	(b)	Define various steps involved in animation.	[7]
	(c)	Discuss various design and authoring tools and its categories.	[7]
	(d)	Explain Different types of images.	[7]

UNIT-III

3.	(a)	Define JPEG and MPEG.	[2]
	(b)	Explain dynamic Huffman Technique.	[7]
	(c)	Write short notes on Lossy and Lossless Compression Techniques.	[7]
	(d)	Explain Static Huffman Technique with an example.	[7]

UNIT-IV

4.	(a)	Define WORMS.	[2]
	(b)	Write down advantages of CD-DA	[7]
	(c)	Discuss all developments on CD ROM Technologies.	[7]
	(d)	Explain frames, Tracks and Blocks of CD-DA.	[7]

UNIT-V

5.	(a)	Define Virtual Reality.	[2]
	Write Short notes on any Two:		
	(b)	Tele Operation	[7]
	(c)	Augmented Reality System	[7]
	(d)	Time Critical Rendering	[7]