END SEMESTER EXAMINATION

SEMESTER- III

COURSE CODE :CSE-409 | **DURATION : 3 (THREE)HRS**
COURSE TITLE :Principles of Multimedia | **MAXIMUM MARKS :75**
SESSION :July-Dec'2021 | **PASS MARKS : 35 %**

NOTE: *1. Attempt any 5 (five) questions.*
2. Mark for each question is shown against it.
3. Assume suitable logical data wherever necessary.

1.	**(a)**	Explain the types of texts.	3
	(b)	Define Aliasing and Quantization error.	3
	(c)	Differentiate between RGB and CMY(K) color model.	4
	(d)	Explain the types of text file formats.	5
2.	**(a)**	Draw RGB color model and color cube.	4
	(b)	Explain the types of Images.	3
	(c)	Explain ASCII and Unicode Standard.	3
	(d)	Explain the working of Digital Audio Players.	5
3.	**(a)**	What do you mean by transformation? Explain the different 2D transformations by giving formulas and diagrams.	10
	(b)	Define the various Digital image specifications.	5
4.	**(a)**	What do you mean by Digitization? Explain the steps involved in the process.	8
	(b)	Define 4 Audio signal characteristics.	4
	(c)	Compare lossy and lossless format.	3
5.	**(a)**	Compare the video broadcasting standards: NTSC, PAL and SECAM	6
	(b)	Explain Filling and clipping Algorithm.	4
	(c)	Explain the working for a scanner with a neat diagram.	5
6.	**(a)**	Explain Huffman coding and LZW coding with examples.	10
	(c)	Define component and composite video.	5
7.	**(a)**	Explain how the YC signal is generated and used for TV transmission.	5
	(b)	Name the types of video file format.	5
	(c)	Write the DDA Line Drawing Algorithm.	5
8.		Explain the following:	
	(a)	Video Recording Standards	(5)
	(b)	Digital Cameras	(5)
	(c)	Audio Characteristics	(5)
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