END SEMESTER EXAMINATION, NOVEMBER- 2018

Semester - 3rd

Subject Code: Co-302

ELEMENTS OF MULTIMEDIA

Full Marks-70

Time - Three hours

The figures in the margin indicate full marks for the questions.

Instructions :

- All questions of PART-A are compulsory.
- Answer any five questions from PART-B.

PART - A Marks - 25

1. Fill in the blanks:

1×10=10

- (a) art, sound, animation and video. - is any combination of text, graphic
- 6 The branch of physics that studies sound is called

AIC TOTEOM (2)		(e) The full form of PCM is program code modulation.	(d) 2 bits can represent two different colours.	(c) MP3 is a audio file extension.	(b) Sound Forge is an image editing software.	places as information provider.		(j) — is video compressing technique.	(i) CRT stands for ——.	(h) A video consists of a sequence of ——.	(g) The full form of GIF is ———.	(f) Primary colours for colour TV are	(e) CMYK model is used for	(d) The full form of MIDI is ———.	(c) Images made up of thousands of pixels are called ———.
96/Co-302/EOM (3) Turn over	(iii) Hertz (iv) Kilo	(i) Cell (ii) Bel	(c) Sound Pressure Level is measured in terms of	(iii)10 Hz (iv) 10 kHz	(i) 20 kHz (ii) 20 Hz	(b) Threshold of hearing is	(iii) Synthesizer (iv) Headphone	proces	(a) Which of the following is not used in	3. Choose the correct answer: 1×5=5	(j) PAL stands for Phase Alternate Line.	(i) The aspect ratio of HDTV is 4:3.	(h) JPEG is a video compression technique.	(g) Images that are stored using line, arcs and curves are bitmap images.	(f) Cropping is used to select part of the image and discard the unselected area.

96/Co-302/EOM (4)	(c) What is PCM?	(b) Write the principle of Amplifier.	5. (a) Differentiate between MIDI and Audio	(c) What are ADC/DAC?	(b) What do you mean by psychoacoustics? 3	4. (a) Write some uses of multimedia.	Marks - 45	PART - B		(iii) Video editing (iv) None of these	(i) Text editing (ii) Image editing	(e) Adobe Photoshop is a software for	(iii) JPG (iv) PDF	(i) MID (ii) WAV	(d) File Extension of MIDI format music files
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96/Co-302/EOM (5	(b) State Nyquist sampling theorem.		(a) Define line, field and	(b) Write a brief note on digital still camera.			(c) What are additive colours?		(b) Write brief note on any two colour models.	(a) Write briefly about image manipulation. 3	(c) What do you mean by color depth?		(b) What do you mean by colour characteristics?		(a) Write briefly about sampling and quantization.
(5)	ling theorem.		field and frame in terms of video	on digita	uc.	ciples of	olours?		any two	image m	by color		y colour cl		ampling ar

- 10. What do you mean by composite video and component video? 9
- Write briefly about PAL, HDTV and NTSC. 9
- technique. needed? What is Write compression? Why compression any one video compression