

**END SEMESTER/RETEST EXAMINATION, 2020 (NEW)****Semester: 3rd****Subject code: CO-302****Subject: Elements of Multimedia****Full Marks: =70 (part A-25 + Part B- 45)****Duration: 3 hours****Instructions:****Questions on Part A are compulsory****Answer any 5 (five) questions from Part B**

Questions no.	Questions	Marks
Question 1	<b>Choose the correct answer:</b>	1x5=5
a)	Multimedia is A) Moving images and text B) Images and audio C) Integration of still and moving images, text, and sounds by means of computer technology. D.) Programs that combine text and images on a television screen	1
b)	Sound pressure is measured in _____. A) Bauds _____ B) Bits C) Decibels _____ D) Watts	1
c)	RGB model is used for A) Computer display B) Printing C) Painting D) Scanning	1
d)	Thresh hold of hearing is A)20 Hz B) 20 KHz C)10 Hz D) 10 KHz	1
e)	A Video consist of A) Frames B) Signals C) Slots D) Packets	1
Question2	<b>Fill in the blanks</b>	1x5=5
a)	The branch of physics that studies sound is called _____.	1
b)	CMYK model is used in _____	1

c)	The full form of JPEG is _____	1
d)	Images that are stored using line, arcs and curves _____ images.	1
e)	Three bits can represent _____ colours	1
Question 3	<b>State True Or False</b>	1x10 =10
a)	Acoustics is the branch of physics that studies graphics.	1
b)	The pigment that may be defined as the absence of color is black.	1
c)	JPEG and GIF images are the most common bitmap format used on the web.	1
d)	Photoshop is a image editing software.	1
e)	TIFF is a video compression technique.	1
f)	Lossy image compression is exactly reversible .	1
g)	MPEG is used to compress video.	1
h)	Scanner is an input device for creating multimedia project	1
i)	Sound Forge is an video editing software.	1
j)	The aspect ratio of HDTV is 4:3.	1
Q4	<b>Answer the Following :</b>	1x5=5
a)	Name one element of multimedia.	1
b)	Give the Full form of CRT.	1
c)	Give the Full form of MIDI.	1
d)	Name one audio file format.	1
e)	Define Colour Depth.	1

**PART-B**  
**MARK-45**

**Instructions: Attempt any 5 (five) Questions :**

Question no.	Questions	marks
5 a)	Discuss briefly the need of multimedia in the field of Education.	4
b)	Write a brief note on psychoacoustics.	3
c)	What do you mean by digital audio?	2



