

RETEST EXAMINATION, 2020 (OLD)

Semester: 4th

Subject code: CO- 405

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

	PART-A MARK-25	
Question no.	Questions	marks
Question 1	Choose the correct answer:	1x5=5
a)	One of the element of multimedia is A) Printer B) Plotter C) Image D) CRT	
b)	Sound pressure is measured in _____. A) Bauds B) Bits C) Decibels D) Watts	
c)	CMYK model is used for A) Computer display B) Printing C) Painting D) Scanning	
d)	Thresh hold of pain is A) 20 Hz B) 20 KHz C) 10 Hz D) 10 KHz	
e)	PAL stands for A) Pulse Alternate Line	



	B) Phase Alternate Line C) Phone Alternate Line D) None of the above	
Question2	Fill in the blanks	1x5=5
a)	A 3 bit image is capable of representing _____ different colours.	
b)	RGB model is used in _____	
c)	The full form of GIF is _____	
d)	TIFF is a _____ file format.	
e)	The aspect ratio of NTSC is _____ .	
Question 3	State True Or False	1x10 =10
a)	Images made up of thousands of pixels are called Raster image.	
b)	The pigment that may be defined as the absence of colour is black.	
c)	. wav format is an image file format.	
d)	Photoshop is an image editing software.	
e)	JPEG is a video compression technique.	
f)	An amplifier is used to increase the amplitude of a signal.	
g)	The Primary Colours are RGB.	
h)	Digital camera is an input device for creating multimedia project.	
i)	MIDI data is device independent.	
j)	Mono chrome image contains many colours.	
Question 4	Answer the Following	1x5=5
a)	Name one sound editing software.	
b)	Give the Full form of GIF.	
c)	Give the Full form of MIDI.	



d)	Name one video file format.	
e)	What is an aspect ratio?	

PART-B
MARK-45

Instructions: Attempt any 5 (five) Questions

Questions no.	Questions	marks
5 a)	Define multimedia and write its uses in the field of Education.	2 + 2=4
b)	Write a brief note on audio file format.	3
c)	What do you mean by PCM.	2
6 a)	What are the functions of ADC and DAC ? Name the important factors which govern the ADC and DAC processes.	2+3=5
b)	Differentiate between MIDI over digital audio.	4
7 a)	What do you mean by Sampling ? State Nyquist Sampling Theorem.	2+2=4
b)	Write brief note on Colour Characteristics.	5
8 a)	Write a brief note on image manipulation.	4
b)	Write a brief note on colour model .	5
9 a)	Why compression is necessary?	3
b)	Write briefly about Lossy compression Technique	3
c)	Write briefly about JPEG image format.	3
10. a)	Write the principles of Digital Still camera.	4
b)	Write briefly about any two TV broadcast standards.	5
11 a)	Define field and frame in terms of video formats.	4
b)	Write brief note on Composite video and Component video	5
12	Write short notes on (any Three) a) Microphone b) Additive colour and Subtractive colour c) Psychoacoustics d) JPEG	3x3= 9

