END SEMESTER/ RE-TEST EXAMINATION, 2020

(New Syllabus)

Semester: 3rd

Subject Code: AMT-301

Subject: MULTIMEDIA SYSTEMS & TECHNOLOGY

Full Marks - 70

Duration - 3 Hours

The figures to the right indicate full marks for the questions

Illustrate your answers with suitable sketches and examples wherever necessary.

PART-A Marks - 25

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(All questions are compulsory)

Q.1.	Fi	Il in the blanks: $(1x10 = 10)$			
	a)	Machines installed at public places for users to search information or perform transactions are called			
	b)	A signal is any kind of physical quantity that conveys			
	c)	In multimedia, symbols are considered to be concentrated .			
	d)	The biggest benefit of using alpha channels is .			
	e)	Image resolution is the number of in an image.			
	f)	printers create a huge amount of noise.			
	g)	Sounds higher than 20 kHz are called			
	h)	The amount of data that can be transmitted in a fixed amount of time is called			
	i)	The range of a personal area network is .			
	j)	One or more files of a project can be compressed or packed into a single file called an			
Q.2.	W	rite True or False: $(1x10 = 10)$			
	a)	Animation is a multimedia component.			
	b)	Hand gestures are signals which conveys information only in presence of light.			
	c)	The 'No Smoking' symbol is an icon.			
	d) The Korean Hangul script works for two languages.				
	e)) Images reflect the intensity of light.			
	f)	32-bit depth images are also called hi-colour images.			
	g)	Tones between 4 and 16 Hz can be perceived via the body's sense of touch.			
	h)	Television screens use progressive-scan technology.			
	i)	In video, <i>luma</i> represents the brightness in an image.			
	j)	Unauthorized use of copyrighted material is called copyright infringement.			

Q.3. 5)	Choose the correct answer:			(1x5 =			
	A) Which among the following is not an application software?						
	i)	Microsoft Excel	ii)	Windows Media Player			
	iii)	Microsoft Windows	iv)	Microsoft Word			
	B) Combination of Red and Blue colour in computer graphics produces:						
	i)	Cyan	ii)	Magenta			
	iii)	Grey	iv)	Yellow			
	C) Which digital image file format does not support alpha channel?						
	i)	TGA	ii)	JPEG			
	iii)	TIFF	iv)	PNG RALLIBRARL			
	D) #		11 1	W Comments of the comments of			
	D) The art	istic colour model is also cal	ilea:	9			
	i)	RYB model	ii)	RGB model			
	iii)	CMYK model	iv)	YUV model			
			1				
	E) Video signals that contains both the luminance and chrominance information or single channel are called:						
	i)	RGB Video	ii)	Component Video			
	iii)	Composite Video	iv)	Multi-format Video			
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PART-B Marks - 45 (Answer any *five* questions)

Q.4.	a) Define multimedia. What are the components of multimedia?	(3+2=5)	
	b) Explain Static and Continuous Media with examples.	(2+2=4)	
Q.5.	a) What are the different types of Cases in text? Explain them.	(1.0.0)	
		(1+2=3)	
	b) What do you understand by case sensitive and case insensitive?	(2)	
	c) Describe the ASCII character set.	(4)	
Q.6.	a) State three differences between Raster and Vector Graphics.	(3)	
	b) Explain the fundamental characteristics of colour.		
	, i de la constant de	(6)	
Q.7.	a) Briefly describe Trimming, Splicing and Assembly in Audio Editing.	(6)	
	b) What do you understand by MIDI?	(3)	
Q.8.	a) What is a field in video? Explain how fields create a frame.	(2)	
	b) What are the various methods by which stereoscopic videos can be created	(3)	
	what are the various methods by which stereoscopic videos can be created	1? (6)	
Q.9.	a) How does a Web Browser differ from a Search Engine? Give examples.		
	b) Name the different types of VR systems.	(5) (4)	
		(-7)	
Q.10.	ges of a filantimodala Project. Describe any one of		
	them.	+5 = 9	

