Third Year B.C.A (Semester - II) Examination Paper - 15BCA311

Computer Graphics Multimedia & Animation

Time: Three hours] [Full Marks - 60 **N.B.:** i) All questions carry equal marks ii) Due credit will be given to neatness & adequate dimensions. iii) Illustrate your answer with the help of neat sketches, wherever necessary. iv) Use Blue/Black ink/refill only for writing the answer book. O.1 Choose correct alternatives. 5 a) Graphics file format that are used by most graphics system are _____ ii) TIFF i) GIF iii) JPEG iv) All of these b) TIFF stands for ____ i) tagged image file format ii) time image file format iii) tariff image file format iv) None of the above c) _____ is a rigid body transformation that moves without deformation. i) Rotation ii) Scaling iii) Translation iv) All of the mentioned d) A multimedia file i) is same as any other regular file ii) must be accessed at specific rate iii) stored on remote server cannot be delivered to its client

iv) None of the mentioned

	What is another term to describe vector animation (i) Vector ii) Path animation		Q.7 a		What is Transformation? Explain translation and scaling in detail.	6
	iii) Alpha iv) Animation		ł		-	5
a)	Explain any three input devices in details.	6				
b)	Explain how Computer Graphics play important rol	e	Q.8 a	a) V	What is Compression? Explain multimedia and	
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b)	Explain any two file formats with proper example.	5	· .	-	*	J
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a)	Write and explain DDA algorithm with example.	5			example.	6
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	c code to implement circle.	O	t			
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	a)b)a)b)	 iii) Alpha iv) Animation a) Explain any three input devices in details. b) Explain how Computer Graphics play important role in various applications. OR a) What is Computer Graphics? Explain various components in computer graphics with its characteristics. b) Explain any two file formats with proper example. a) Write and explain DDA algorithm with example. b) Explain Random Scan Display and Raster Scan Display. Differentiate it also. OR a) Explain Virtual Reality System and CRT with example. b) Explain line, curve and text attribute and write a C code to implement circle. a) Write and explain Sutherland Line Clipping Algorithm b) Explain composite transformation with proper matrix representation. 	iii) Alpha iv) Animation a) Explain any three input devices in details. 6 b) Explain how Computer Graphics play important role in various applications. 5 OR a) What is Computer Graphics? Explain various components in computer graphics with its characteristics. 6 b) Explain any two file formats with proper example. 5 a) Write and explain DDA algorithm with example. 5 b) Explain Random Scan Display and Raster Scan Display. Differentiate it also. 6 OR a) Explain Virtual Reality System and CRT with example. 5 b) Explain line, curve and text attribute and write a C code to implement circle. 6 a) Write and explain Sutherland Line Clipping Algorithm 6 b) Explain composite transformation with proper matrix representation. 5	a) Explain any three input devices in details. b) Explain how Computer Graphics play important role in various applications. OR a) What is Computer Graphics? Explain various components in computer graphics with its characteristics. b) Explain any two file formats with proper example. b) Explain Random Scan Display and Raster Scan Display. Differentiate it also. OR a) Explain Virtual Reality System and CRT with example. b) Explain line, curve and text attribute and write a C code to implement circle. b) Explain Curve and Explain Sutherland Line Clipping Algorithm 6 Explain composite transformation with proper matrix representation.	a) Explain any three input devices in details. b) Explain how Computer Graphics play important role in various applications. OR a) What is Computer Graphics? Explain various components in computer graphics with its characteristics. b) Explain any two file formats with proper example. b) Explain Random Scan Display and Raster Scan Display. Differentiate it also. OR a) Explain Virtual Reality System and CRT with example. C code to implement circle. b) Explain line, curve and text attribute and write a C code to implement circle. 6 C Explain Curve and Explain Clipping Algorithm Algorithm 6 Explain composite transformation with proper matrix representation.	iii) Alpha iv) Animation b) Explain viewing coordinate reference frame with example. a) Explain any three input devices in details. b) Explain how Computer Graphics play important role in various applications. OR a) What is Computer Graphics? Explain various components in computer graphics with its characteristics. b) Explain any two file formats with proper example. b) Explain any two file formats with proper example. b) Explain any two file formats with proper example. b) Explain Random Scan Display and Raster Scan Display. Differentiate it also. OR a) Explain Virtual Reality System and CRT with example. b) Explain Virtual Reality System and CRT with example. code to implement circle. a) Write and explain Sutherland Line Clipping Algorithm Algorithm b) Explain composite transformation with proper matrix representation. 5 Explain viewing coordinate reference frame with example. Q.8 a) What is Compression? Explain multimedia and hypermedia with advantages and disadvantages. DR CR CP.9 a) Explain software Tools with example. b) Explain need and types of compression with example. components in allow a transformation with example. components in computer graphics with its characteristics. OR CP.9 a) Explain software Tools with example. components in computer animation and morphing in detail. components in computer graphics works with animation. OR CP.10 a) Explain traditional animation and computer animation Differentiate it also. b) State application of animation with its advantages and disadvantages. Code to implement circle. components in computer graphics with example. components in computer graphics with its components in computer graphics with its components in computer graphics with its components in computer graphics with example. components in computer graphics with its advantages. CP.10 a) Explain traditional animation and computer animation Differentiate it also. b) State application of animation with its advantages and disadvantages. components in computer graphics with its compone
