ANNA UNIVERSITY: CHENNAI – 600 025

B.E/B.Tech Degree Examinations, Oct-Nov-2012

MC9237: Graphics Lab

Master of Computer Applications

Regulations 2009

1	Drav	me: 3 Hours Max Marks: 100 w a Bus with RED color using two dimensional primitives like Circle, Ellipse, Rectangle, rgon, Arc and Sector.	100
2		orm the basic two dimensional transformations like translation, rotation, scaling a polygon.	100
3	cr	w an equilateral triangle with sides 3 cm. Scale the triangle with sides 6cm and 12 m respectively with the centre point as the fixed point. Display the three triangles in fferent colors.	100
4	Drav	w a rectangle with length and width of ratio 10: 5. Rotate the rectangle with ne fixed point as the top right corner at 90 degree.	100
5		w a circle with radius 5 cm. Translate the circle and display it in red color. Then puble the size of circle and display it in blue color.	100
6	Drav	w a building and reposition the building along a straight line path	100
7		te a program that uses a single circle to display the following pattern using simple D transformation sequence.	100
8	a	Draw a three dimensional object cone and do the scaling operation using mouse events.	70
	b	Perform the various kinds of transformations of an image.	30
9		Draw a three dimensional object cube and do the rotation operation using keyboard events.	70
	b	Perform the following operations for an image taken i) Blur ii) Light and shadow iii) Noise iv) Combine	30

10	a	keyboard event.	70
	b		30
11	a	Draw a three dimensional object cube and perform translation and scaling transformations	70
	b	Create a .GIF image with textual animation for the following theme Computer System	30
12	a	Draw a three dimensional object sphere and perform translation and rotation operations.	70
	b	Create a gif file for Road animation.	30
13	a	Draw a three dimensional object cone and perform rotation and scaling operations	70
	b	Animate a flying bird and flying kite.	30
14	a	Draw a three dimensional object teapot and perform the composite transformations.	70
	b	Animate a bee flying to a flower	30
15	a	Remove the hidden surface of a three dimensional object using object space method.	70
	b	Do the image enhancements with an image generated.	30
16	a	Remove the hidden surface of a three dimensional object using image space method.	70
	b	Convert the image from color to grayscale and vice versa	30
17	a	Show the visible surface of a three dimensional object using depth buffer method.	70
	b	Optimize the image and show the reduced size.	30
18	a	Show the visible surface of a solid cone using any one of the object space method.	70
	b	Create a .GIF image with textual animation for the following theme Ornaments	30
19	a	Remove the hidden surface of a three dimensional object using z buffer method.	70
	b	Create a .GIF image with textual animation for the following theme.Banyan tree	30
20	a	Remove the hidden surface of a three dimensional object.	70
	b	Create a .GIF image with textual animation for the following theme Solar system	30