1. Which of the following statements de	efine Computer Gra	phics?
a) It refers to designing plans		gning computers
c) It refers to designing images	d) None of the r	
Spani no seriese la mace	No action flow	12 Person lo eu
2. A transformation to alter the size of a	in object is called:	
a) Translation (b) Scaling	c) Rotation	d) Wrap around
day on be organized without overlag	months at moins	JJ. The muximum
3. In the Bresenham's algorithm, error	term initialized to:	
		d) None of these
	c)-1/2 P= 2470X	
4. What will be the value of initial deci	sion parameter if w	e intend to draw a
line between A(3, 6) and B(4, 9) using	Bresenham's algor	ithm?
a) 6 b) 5	c) 3	
5. Which of the following plane is used	for 2D transforma	tions?
a) Three-dimensional plane	b) Two-din	nensional plane
c) One-dimensional plane	d) Four-dir	mensional Plane
	The same of the last	
6. Which of the following is a Comput	er Graphics applica	ition?
a) CAD design b) Computer Vision c)	Reverse Engineering	d) All of the above
REB		
7. If blue is represented as 001 the yell	ow is represented a	is: althourned (s
a) 001 b) 010	c)101	d) 110
tet em applied in 3D planes ared	e treasformation d	17. The most basi
8. In Bresenham's line algorithm, the o	listance between ac	ctual line location
and nearest pixel is		
a) Decision variable b) Error c) B	oth (a) and (b) d	None of the above
9. In a graphical system, an array of pi	xels in the picture	are stored in which
of the following locations?		
a) Frame bufferb) Processor (c) Mer	mory d) A	All of the mentioned
10. Curves in computer graphics is pri	marily used for wh	nich of the following
function?	A. Order	
(a) To draw different types of objects onto	the screen b) Zo	oming out a picture
c) Copying a picture		oming in a picture
The state of the s	minerale with	and area showing
11types of translation ar	e present in comp	uter graphics.
a) 5 (b) 3) c) 4	d) 6	B. Tombie
0)3) 0)4	4)0	

12. Bitmap is a collection of	that describes an image. c) bits d) colors
· number of points	that can be displayed without over 1
on a CRT is referred to a Resolution (b) Persistence	that can be displayed without overlap  c) Attenuation d) None of the above
a u inclination	ed as the number of pixels stored in the
frame buffer of a graphics system?  a) Persistence  b) Resolution	c) Depth d) None of the mentioned
15. Which of the following is a prir	nary output device of a graphics system?
a) Printer (c) Video monitor	b) Scanner d) Neither Scanner nor Video monitor
16. Which of the following is used	in graphics workstations as input devices
to accept voice commands?  a) Speech recognizers c) None of the mentioned	b) Touch panels d) All of the mentioned
17. The most basic transformation a) Translation b) Scaling	that are applied in 3D planes are: c) Rotation d) All of these
18. LED stands for:	ME (2. sound (4. stylenes goldings) (4.
a) Light emitting diode c) Light energy diode	b)Liquid emitting diode d) None of above
	Igorithm also uses the of the circle
to generate? a) Two way symmetry	b) Four way symmetry
c) Eight way symmetry	d) Both (a) and (b)
20. Which of the following operat any axis on a three-dimensional of a) Rotation b) Shearing	ions can be used to zoom in or out around oject from its original position?  (c) Scaling d) Translation
21. The amount of memory in fran	me buffer is called:
a) Bit plane b) Plane	c) Bit d) None of these
The state of the s	

a) False  23. Which of the following is defined as the drawing of number of copies of the same image in rows and columns across the interface window so that they cover the entire window? a) Zooming b) Panning c) Tiling d) Roaming  24. How many axes do 3D graphics consist of? a) Two axes b) Three axes c) Five axes d) One axis  25. Which of the following is the most commonly used boundary representation for a 3-dimensional graphics object? a) Volume polygon b) System polygon c) Data polygon d) Surface polygon  26. Which of the following is the process of digitizing a given picture definition into a set of pixel-intensity for storage in the frame buffer? a) Scan conversion c) Encoding d) Rasterization  27. Which of the following is commonly known as frame buffer on a black and white system with one bit per pixel? a) Bitmap c) Multi map d) All of the mentioned  28. Which of the following algorithm is a faster method for calculating pixel positions? a) Parallel line algorithm c) DDA line algorithm d) Bresenham's line algorithm d) Bresenham's line algorithm	22. Viewing transformation is the pro- World Coordinates to the Viewport.	ocess of mapping a w	vorld window in	
the same image in rows and columns across the interface window so that they cover the entire window?  a) Zooming b) Panning c) Tiling d) Roaming  24. How many axes do 3D graphics consist of?  a) Two axes b) Three axes c) Five axes d) One axis  25. Which of the following is the most commonly used boundary representation for a 3-dimensional graphics object?  a) Volume polygon b) System polygon c) Data polygon d) Surface polygon  26. Which of the following is the process of digitizing a given picture definition into a set of pixel-intensity for storage in the frame buffer?  a) Scan conversion b) True color system c) Encoding d) Rasterization  27. Which of the following is commonly known as frame buffer on a black and white system with one bit per pixel?  a) Bitmap b) Pix map d) All of the mentioned  28. Which of the following algorithm is a faster method for calculating pixel positions?  a) Parallel line algorithm b) Mid-point algorithm c) DDA line algorithm d) Bresenham's line algorithm			b) True	
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and white system with one bit per pixel?  a) Bitmap c) Multi map  28. Which of the following algorithm is a faster method for calculating pixel positions?  a) Parallel line algorithm c) DDA line algorithm d) Bresenham's line algorithm	definition into a set of pixel-intensity a) Scan conversion	y for storage in the f b) True	e color system	
positions?  a) Parallel line algorithm  c) DDA line algorithm  d) Bresenham's line algorithm	and white system with one bit per pi a) Bitmap	ixel? b) Pix	x map	100 00
20 MI: 1 Cal Callering command is used to change range of axes ?	positions? a) Parallel line algorithm	b) Mid-po	oint algorithm	
a) glutMainLoop() b) glutCreateWindow() c) gluOrtho2D() d) glutOrtho2D()	a) glutMainLoop()	b) gh	utCreateWindow()	
30. this command glBegin(GL_QUADS); is used to draw shapes a) Pentagonal b) hexagonal c) triangular d) quadrilateral	a) Pentagonal c) triangular	b)	hexagonal	

39		pixels orizontal points to vertica		24 How many axes der 31
16 0°0'S.	a) Data differ	the following is a correct ential analyzer erence analyzer		of DDA algorithm? ect differential analyzer ital differential analyzer
	a) Translation	ng transformation is forms s, scaling and reflection	(b) Translation	ons and scaling n, scaling and rotation
0000 x8	800X600 and	memory required for fra bit/pixel is 8?	ame buffer whe	256000 1111111111111111111111111111111111
20000	a) 512 KB	(b) 1 MB	c) 2 MB	d) 256 KB
	35. How man	y matrices are required t		
去	a) 2	b) 3	c) 4	d) 5
		n of rotation is Z-axis, th	nen direction of	f position of positive
	rotation is: a) y to x	b) z to x	c) x to y	d) y to z
	37. A process			n a straight-line path is:
		b) Rotation	c) Scaling	
(	drawings of ra			
	a) Three-point c) One-point		(b) Two-point ection is not us	ed to draw railway lines
(3	9. Mid -point	line and circle drawing	algorithm use	the sign of
ą	Distance par	rameter		b) Decision parameter
	Describe po	int		d) Both (a) and (b)
c)				
	0.How many	matrices are required t	o rotate an obj	ect about a point (x, y)?
a)	2	matrices are required to b) 3 int accuracy of DDA li	c) 4	d) 5

42. The best line drawing algorithm among algorithm is	-11 11 11 - 4ing
algorithm is algorithm among	all possible line drawing
	which uses direct equation of line
c) Bresenham's algorithm d) None of ther	m
43. How is the line path on the polygon area  a) Vertical  b) Horizontal  c) Cer	a for a 45% line?  ntered d) None of the mentioned
	intered d) None of the mentioned
44. Disadvantage of DDA is:	
a) Round of error	b) Subtraction error
c) Addition error	d) Both (a) and (b)
45. Brasenham's algorithm seeks to select the	he optimum raster locations that
represent a :	A. P. y = "g bits a) * X *
a) Straight line	b) Curve line
c) Polygon	d) None of these
46. The DDA algorithm is a faster method f	for calculating nivel positions
than direct use of line equation using y=mx	
a) It eliminates floating point addition	
b) It eliminates floating point multiplication	OpenGI, lines color is set using
c) It eliminates rounding operation	
d) None of these	
47. In circle drawing algorithm we use –	
a) 4 Symmetry	b) 2 Symmetry
c) 8 Symmetry	d) No Symmetry
basic of arguments	and auguments
48. In 2D graphics, if S1 & S2 are two scaling	ing matrix and T1 and T2 are two
transition matrices then 50	231
a) S1S2=S2S1 ×	—b) S1T1=S2T2
c) T2S2=T1S1	d) S1T1=T2S1
40 W7: 1 C.1 C.1	Tien
49. Which of the following stores the pictur	
distribution behind the phosphor-coated scr	
a) Direct-view storage tube	b) Flat panel displays
c) 3D viewing device	d) Cathode ray tube
50 In Bresenham's sirals consection algori	thme if (v v) is the current nivel
50. In Bresenham's circle generation algori	
position then the x-value of the next pixel p	X+1 d) X+2
a) X b) X-1 c)	121 beaumed anyworks and to do

(8

51. The basic principle of Bresenham's l	ine algorithm is
a) To select optimum raster location	
b) To select either 'x or 'y whichever is	larger
c) We find on which sides of the line the	midpoint lies
d) Both (a) and (b)	
52) Which of the following equation is	s used in 2D translation to move a
point(x,y) to the new point (x',y')?	
a) $x' = x + t_y$ and $y' = y + t_x$	
b) $x' = x - t_x$ and $y' = y - t_y$	
(c) $x' = x + t_x$ and $y' = y + t_y$	
d) $x' = x + t_x$ and $y' = y - t_y$	
53. In OpenGL, the size of a point can be	set with
a) glLineSize()	b) glPointSize()
c) none of these	d) Both a & b
54. In OpenGL ,lines color is set using_	The state of the s
a) glColor3f() b) glColor () c)	
55. In OpenGL, to draw filled polygons u	
a) glBegin(GL_POLYGON)	b) glBegin(GL LINE)
c) glBegin(GL_POINTS)	d) none of these
56. In glVertex2i() command, 2 represen	
a) type of arguments	b) basic of arguments
(c) humber of arguments	d) none of these
57.GLUT means	sugar maying their as
a) GL User Toolkit	b) GL Utility Toolkit
c) GL Utility Tool	d) none of these
58. is called to ensure that all d	ata completely processed & send to
display.	processed to send to
a) glFlush()	b) glFlash()
c) glBegin()	d) none of these
59. Which of the following command is u	
a) glVertex2f()	
c)glBegin(GL_LINES)	b) glFlash() d) none of these
60. Which of the following command is u	sed to create window ?
a) glutMainLoop()	b) glutCreateWindow()
c) glutInitWindowSize()	d) glutInitWindowPosition()
The second secon	