



Grand Quiz Spring 2021

Subject Code CS602 lecture 1 to 22

Solved By Riz Mughal



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<https://www.facebook.com/groups/923887914750307>



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I'm providing 100% correct quiz solution. You can visit my YouTube channel and get more information about all other subjects' quizzes and final year project (CS619).

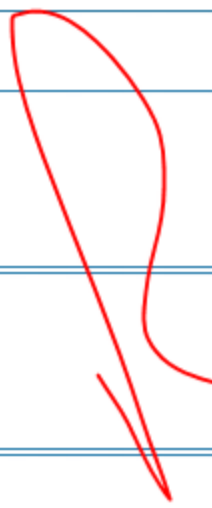
RIZ MUGHAL (SQA ENGINEER)

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Question # 1 of 30 (Start time: 09:14:01 AM, 29 June 2021)

The parametric equation of a line can be:

Select the correct option

- | | |
|----------------------------------|--------------------------|
| ☒ | $P = p_1 + k(p_2 - p_1)$ |
| ☐ | $P = p_1 + k(p_1 * p_2)$ |
| ☐ | $P = p_1 + k(p_2)$ |
| ☐ | $P = p_1 p_2 + k(p_1)$ |
- 

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Question # 2 of 30 (**Start time: 09:14:24 AM, 29 June 2021**)

For two matrices to be equal, they must have same _____ and corresponding elements.

Select the correct option

☒	Dimensions
☐	Name
☐	Inverse
☐	Directions

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Question # 3 of 30 (Start time: 09:14:40 AM, 29 June 2021)

The shape of circle is _____ in each quadrant.

Select the correct option

☐	Diffused
☐	Different
☐	Variable
☒	Similar



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Question # 4 of 30 (Start time: 09:14:57 AM, 29 June 2021)

If $|m| > 1$, then "incremental line algorithm" will _____ by 1 in $y = mx + b$ till it reaches ending point.

Select the correct option

- | | |
|----------------------------------|-------------|
| ☐ | Increment x |
| ☐ | Decrement x |
| ☐ | Decrement y |
| ☒ | Increment y |
- 

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Question # 5 of 30 (Start time: 09:15:16 AM, 29 June 2021)

_____ is the flurry of bright dots that can appear anywhere on the screen.

Select the correct option

☐	Phosphor
☐	Flicker
☐	EGA
☒	Snow



Question # 6 of 30 (Start time: 09:15:32 AM, 29 June 2021)

Total Marks:

A straight line can be moved to another location by applying _____ to each of the line endpoints and redrawing the line between the new coordinates.

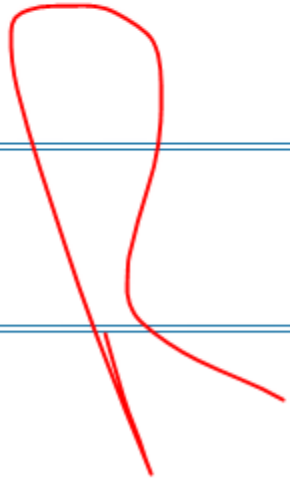
Select the correct option

- | | |
|----------------------------------|----------------|
| ☐ | Scaling factor |
| ☐ | Rotation |
| ☒ | Translation |
| ☐ | Reflection |

Question # 7 of 30 (Start time: 09:16:15 AM, 29 June 2021)

In Sutherland and Hodgman's polygon clipping algorithm, what will be saved for exiting visible region.

Select the correct option

- | | |
|----------------------------------|---------------------------|
| ☐ | Nothing will be saved |
| ☐ | Intersection and endpoint |
| ☐ | Endpoint |
| ☒ | Intersection |
- 

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Question # 8 of 30 (**Start time: 09:16:44 AM, 29 June 2021**)

Computer Graphics are used in _____.

Select the correct option

☐	Simulations
☐	Game development
☐	Movies development
☒	All of the given



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Question # 9 of 30 (Start time: 09:17:13 AM, 29 June 2021)

Both Boundary Filling and Flood filling algorithms are non-recursive techniques.

Select the correct option

☒	False
☐	True



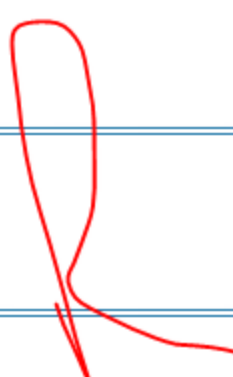
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Question # 10 of 30 (Start time: 09:17:36 AM, 29 June 2021)

Tomography is the technique used in _____.

Select the correct option

☐	Artis's paintbrush
☐	Pixel paint
☐	Entertainment
☒	X-rays photography



Question # 11 of 30 (Start time: 09:17:53 AM, 29 June 2021)

In Random-Scan system, graphics commands in application program are translated by _____ into display file.

Select the correct option

- | | |
|----------------------------------|-------------------|
| ☐ | Refresh processor |
| ☒ | Graphics package |
| ☐ | Curved outline |
| ☐ | Display processor |
- 

Question # 12 of 30 (Start time: 09:18:49 AM, 29 June 2021)

Both Boundary Filling and Flood filling algorithms are _____ as compared to scan line filling algorithm.

Select the correct option

☐	Better
☐	Almost same
☒	Worse
☐	Good

Question # 13 of 30 (Start time: 09:19:04 AM, 29 June 2021)

In Weiler-Atherton polygon clipping, what will be followed for clockwise processing of inside to outside pair of vertices?

Select the correct option

- | | |
|----------------------------------|---|
| ☐ | Line Edges |
| ☐ | Polygon boundary |
| ☒ | Window boundary in clockwise direction |
| ☐ | Window boundary in anti-clockwise direction |

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Question # 14 of 30 (**Start time: 09:19:25 AM, 29 June 2021**)

The mirror image for a 2D reflection is generated by rotating the object _____ about the reflection axis.

Select the correct option

☐	360°
☒	180°
☐	120°
☐	190°

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Question # 15 of 30 (**Start time: 09:19:55 AM, 29 June 2021**)

In mode 3, each pixel occupies _____ bit/bits in VDU memory.

Select the correct option

- | | |
|----------------------------------|---------|
| ☐ | 4 bytes |
| ☐ | 3 bytes |
| ☒ | 2 bytes |
| ☐ | 6 bytes |

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Question # 16 of 30 (Start time: 09:20:09 AM, 29 June 2021)

Graphic images on the screen are built up from tiny dots called_____.

Select the correct option

☐	Pixdot
☒	Picture elements
☐	Snow
☐	Resolution

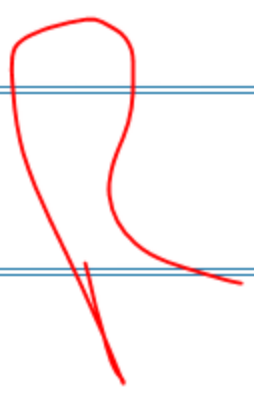
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Question # 17 of 30 (Start time: 09:20:24 AM, 29 June 2021)

Three or more points that lie on the same line are called _____.

Select the correct option

☐	Line slop
☐	Singular
☐	Line slop and Singular
☒	Collinear



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Question # 18 of 30 (Start time: 09:20:40 AM, 29 June 2021)

The line passing through the vertex and parabola is called -----.

Select the correct option

☒	Axis
☐	Edge
☐	Point
☐	Foci

R

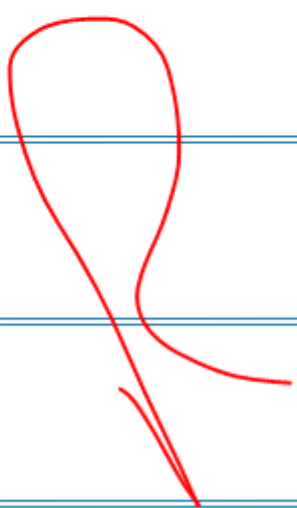
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Question # 19 of 30 (**Start time: 09:20:58 AM, 29 June 2021**)

The term "Computer Graphics" was coined in 1960 by -----.

Select the correct option

☒	William Fetter
☐	Anna Fetter
☐	Charles Babbage
☐	Martin Cooper



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Question # 20 of 30 (**Start time: 09:21:12 AM, 29 June 2021**)

_____ was first person who studied the ellipse.

Select the correct option

☐	Apollonius
☐	Archimedes
☐	Einstein
☒	Menaechmus



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Question # 21 of 30 (Start time: 09:21:33 AM, 29 June 2021)

Bresenham's algorithm finds the closest integer coordinates to the actual line, using only _____.

Select the correct option

- | | |
|----------------------------------|----------------------|
| ☐ | Step = $ dx + dy $ |
| ☒ | Integer math |
| ☐ | Floating Point |
| ☐ | Step = $ dx $ |

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Question # 22 of 30 (Start time: 09:22:19 AM, 29 June 2021)

The direction of projection is _____ to the view plane in orthographic projections.

Select the correct option

☐	Parallel
☐	Angular
☐	Absent
☒	Perpendicular



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Question # 23 of 30 (Start time: 09:22:35 AM, 29 June 2021)

The perimeter of a circle is called the _____.

Select the correct option

☒	Circumference
☐	Radius
☐	Volume
☐	Diameter



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Question # 24 of 30 (**Start time: 09:22:58 AM, 29 June 2021**)

Hercules adapter can display_____.

Select the correct option

☒	Text and Graphics
☐	Only Games
☐	Only Text
☐	Only Graphics

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Question # 25 of 30 (Start time: 09:23:21 AM, 29 June 2021)

Original shape of an object is not preserved in _____ scaling.

Select the correct option

☐	Scalar
☒	Differential
☐	Uniform
☐	Complex



Question # 26 of 30 (Start time: 09:23:37 AM, 29 June 2021)

In _____ projection, lines which are perpendicular to the projection plane are projected at $\frac{1}{2}$ length.

Select the correct option

☒	Cabinet
☐	Orthographic
☐	Cavalier
☐	Perspective



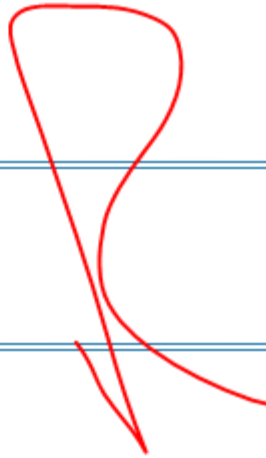
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Question # 27 of 30 (Start time: 09:23:53 AM, 29 June 2021)

In midpoint circle drawing function, if $f_{\text{circle}}(x, y) > 0$, then (x, y) point lies _____ circle boundary.

Select the correct option

☐	xk position of
☒	Outside
☐	On
☐	Inside



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Question # 28 of 30 (Start time: 09:24:10 AM, 29 June 2021)

Triangle _____ are a list of triangles that all share a common point.

Select the correct option

☐	Strips
☐	Vertices
☒	Fans
☐	Edges

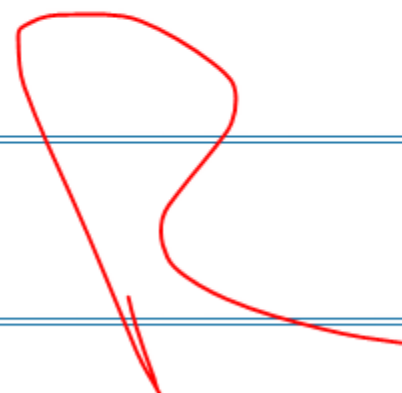
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Question # 29 of 30 (Start time: 09:24:26 AM, 29 June 2021)

_____ is a process of moving a point in space in a non-linear manner.

Select the correct option

☐	Transformation
☒	Rotation
☐	Translation
☐	Shear



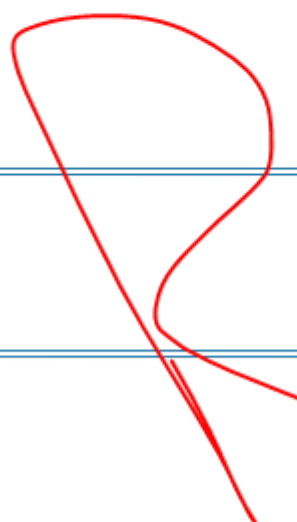
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Question # 30 of 30 (Start time: 09:24:42 AM, 29 June 2021)

What will be the distance between two points where $p1=(2,4,6)$ and $p2=(4,6,7)$.

Select the correct option

☐	5
☐	4
☐	9
☒	3





Thank you for watching

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