



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>



<https://www.youtube.com/channel/UCINsFwDiB62SValCcPDZbRQ/playlists>

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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)

CS602:Grand Quiz

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

- | | |
|----------------------------------|--------------------|
| <input checked="" type="radio"/> | $P=p_1+k(p_2-p_1)$ |
| <input type="radio"/> | $P=p_1+k(p_1*p_2)$ |
| <input type="radio"/> | $P=p_1+k(p_2)$ |
| <input type="radio"/> | $P=p_1p_2+k(p_1)$ |
- 


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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

<input checked="" type="radio"/>	Dimensions
<input type="radio"/>	Name
<input type="radio"/>	Inverse
<input type="radio"/>	Directions

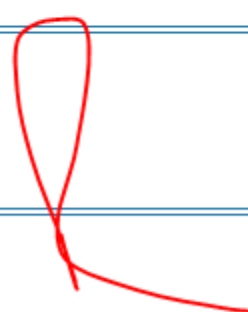


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Question # 3 of 30 (Start time: 09:14:40 AM, 29 June 2021)

The shape of circle is _____ in each quadrant.

Select the correct option


- | | |
|----------------------------------|-----------|
| <input type="radio"/> | Diffused |
| <input type="radio"/> | Different |
| <input type="radio"/> | Variable |
| <input checked="" type="radio"/> | 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


- | | |
|----------------------------------|-------------|
| <input type="radio"/> | Increment x |
| <input type="radio"/> | Decrement x |
| <input type="radio"/> | Decrement y |
| <input checked="" type="radio"/> | 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

- | | |
|----------------------------------|----------|
| <input type="radio"/> | Phosphor |
| <input type="radio"/> | Flicker |
| <input type="radio"/> | EGA |
| <input checked="" type="radio"/> | Snow |
- 

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Quiz Start Time: 09:14 AM, 29 June 202

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

- | | |
|----------------------------------|----------------|
| <input type="radio"/> | Scaling factor |
| <input type="radio"/> | Rotation |
| <input checked="" type="radio"/> | Translation |
| <input type="radio"/> | 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


- | | |
|----------------------------------|---------------------------|
| <input type="radio"/> | Nothing will be saved |
| <input type="radio"/> | Intersection and endpoint |
| <input type="radio"/> | Endpoint |
| <input checked="" type="radio"/> | 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

- | | |
|----------------------------------|--------------------|
| <input type="radio"/> | Simulations |
| <input type="radio"/> | Game development |
| <input type="radio"/> | Movies development |
| <input checked="" type="radio"/> | 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

<input checked="" type="radio"/>	False
<input type="radio"/>	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

- | | |
|----------------------------------|--------------------|
| <input type="radio"/> | Artis's paintbrush |
| <input type="radio"/> | Pixel paint |
| <input type="radio"/> | Entertainment |
| <input checked="" type="radio"/> | 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.

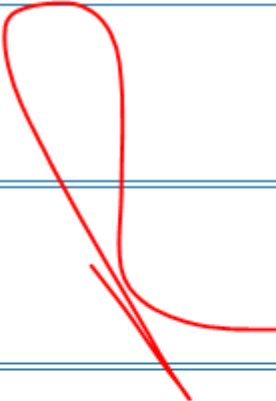
Select the correct option

- | | |
|----------------------------------|-------------------|
| <input type="radio"/> | Refresh processor |
| <input checked="" type="radio"/> | Graphics package |
| <input type="radio"/> | Curved outline |
| <input type="radio"/> | 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.

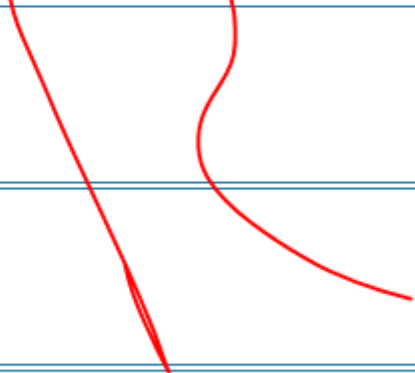
Select the correct option

- | | |
|----------------------------------|-------------|
| <input type="radio"/> | Better |
| <input type="radio"/> | Almost same |
| <input checked="" type="radio"/> | Worse |
| <input type="radio"/> | 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

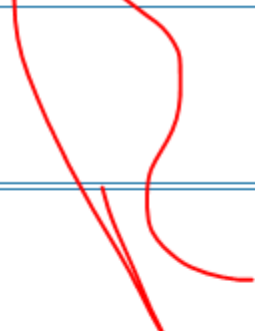
- | | |
|----------------------------------|---|
| <input type="radio"/> | Line Edges |
| <input type="radio"/> | Polygon boundary |
| <input checked="" type="radio"/> | Window boundary in clockwise direction |
| <input type="radio"/> | Window boundary in anti-clockwise direction |
- 

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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


- | | |
|----------------------------------|------|
| <input type="radio"/> | 360° |
| <input checked="" type="radio"/> | 180° |
| <input type="radio"/> | 120° |
| <input type="radio"/> | 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

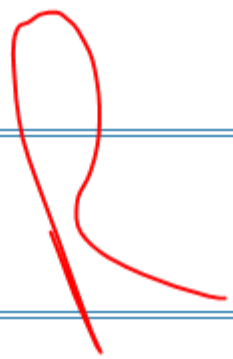
- | | |
|----------------------------------|---------|
| <input type="radio"/> | 4 bytes |
| <input type="radio"/> | 3 bytes |
| <input checked="" type="radio"/> | 2 bytes |
| <input type="radio"/> | 6 bytes |
- 

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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

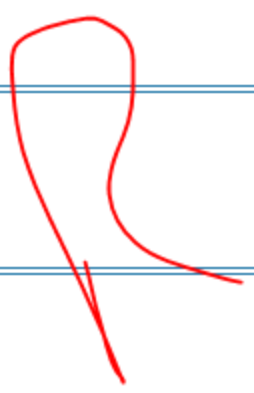
- | | |
|----------------------------------|------------------|
| <input type="radio"/> | Pixdot |
| <input checked="" type="radio"/> | Picture elements |
| <input type="radio"/> | Snow |
| <input type="radio"/> | Resolution |
- 

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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

- | | |
|----------------------------------|------------------------|
| <input type="radio"/> | Line slop |
| <input type="radio"/> | Singular |
| <input type="radio"/> | Line slop and Singular |
| <input checked="" type="radio"/> | Collinear |
- 

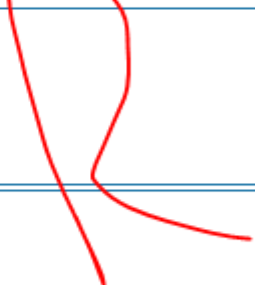
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Question # 18 of 30 (Start time: 09:20:40 AM, 29 June 2021)

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

Select the correct option

<input checked="" type="radio"/>	Axis
<input type="radio"/>	Edge
<input type="radio"/>	Point
<input type="radio"/>	Foci

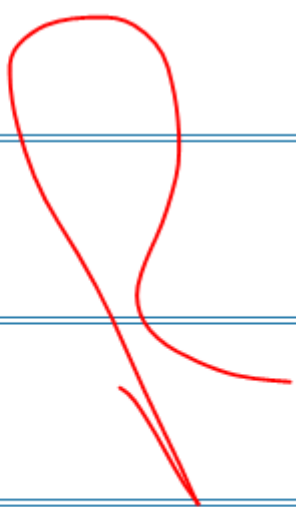


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Question # 19 of 30 (Start time: 09:20:58 AM, 29 June 2021)

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

Select the correct option

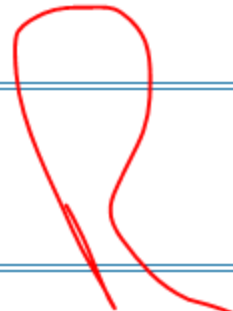
- | | |
|----------------------------------|-----------------|
| <input checked="" type="radio"/> | William Fetter |
| <input type="radio"/> | Anna Fetter |
| <input type="radio"/> | Charles Babbage |
| <input type="radio"/> | Martin Cooper |
- 

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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

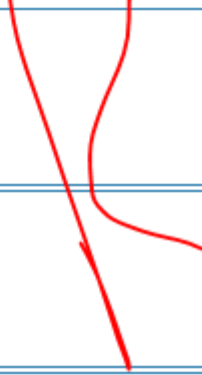
- | | |
|----------------------------------|------------|
| <input type="radio"/> | Apollonius |
| <input type="radio"/> | Archimedes |
| <input type="radio"/> | Einstein |
| <input checked="" type="radio"/> | Menaechmus |
- 

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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

- | | |
|----------------------------------|--------------------|
| <input type="radio"/> | Step = $ dx + dy $ |
| <input checked="" type="radio"/> | Integer math |
| <input type="radio"/> | Floating Point |
| <input type="radio"/> | 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

<input type="radio"/>	Parallel
<input type="radio"/>	Angular
<input type="radio"/>	Absent
<input checked="" type="radio"/>	Perpendicular



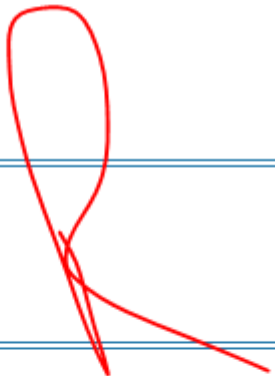
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Question # 23 of 30 (Start time: 09:22:35 AM, 29 June 2021)

The perimeter of a circle is called the _____.

Select the correct option

<input checked="" type="radio"/>	Circumference
<input type="radio"/>	Radius
<input type="radio"/>	Volume
<input type="radio"/>	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

- | | |
|----------------------------------|-------------------|
| <input checked="" type="radio"/> | Text and Graphics |
| <input type="radio"/> | Only Games |
| <input type="radio"/> | Only Text |
| <input type="radio"/> | 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

<input type="radio"/>	Scalar
<input checked="" type="radio"/>	Differential
<input type="radio"/>	Uniform
<input type="radio"/>	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

<input checked="" type="radio"/>	Cabinet
<input type="radio"/>	Orthographic
<input type="radio"/>	Cavalier
<input type="radio"/>	Perspective




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

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

Select the correct option

<input type="radio"/>	xk position of
<input checked="" type="radio"/>	Outside
<input type="radio"/>	On
<input type="radio"/>	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

- | | |
|----------------------------------|----------|
| <input type="radio"/> | Strips |
| <input type="radio"/> | Vertices |
| <input checked="" type="radio"/> | Fans |
| <input type="radio"/> | Edges |
- 

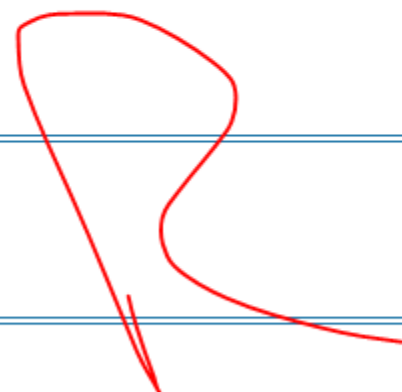
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Question # 29 of 30 (Start time: 09:24:26 AM, 29 June 2021)

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

Select the correct option

<input type="radio"/>	Transformation
<input checked="" type="radio"/>	Rotation
<input type="radio"/>	Translation
<input type="radio"/>	Shear

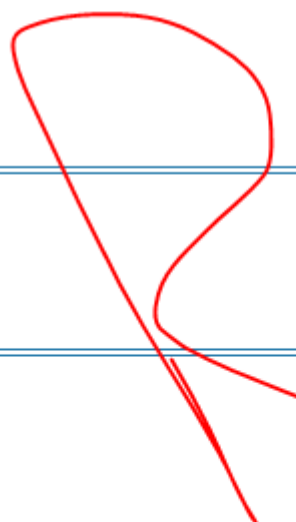


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Question # 30 of 30 (Start time: 09:24:42 AM, 29 June 2021)

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

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | 5 |
| <input type="radio"/> | 4 |
| <input type="radio"/> | 9 |
| <input checked="" type="radio"/> | 3 |
- 



Thank you for watching

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RIZ MUGHAL (SQA ENGINEER)

