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CS602 Solved Grand Quiz 2020

Question No 1

In CRT, (3 / 4) aspect ratio represents that _____ point vertical line has same length as _____ point horizontal line respectively.

Select Correct Option

- ✓ **Three, four**.....(For More Visit VUStudents.pk)
- ✓ Four, three
- ✓ Solid, 0.7
- ✓ 3/4, solid

Question No 2

A two dimensional _____ is applied to an object by repositioning it along a circular path in the xy plane.

Select Correct Option

- ✓ Translation
- ✓ **Rotation**.....(For More Visit VUStudents.pk)
- ✓ Scaling
- ✓ Inverse

Question No 3

Various curve functions are useful in _____.

Select Correct Option

- ✓ Object modeling
- ✓ Graphics applications
- ✓ Animation path specifications
- ✓ **All of the given**.....(For More Visit VUStudents.pk)

Question No 4

VRAM is capable of reading and writing simultaneously due to the _____

Select Correct Option

- ✓ Mouse
- ✓ Flicker
- ✓ UMA
- ✓ **Dual port design**.....(For More Visit VUStudents.pk)



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Question No 5

Global coordinate systems can be defined with respect to local coordinate system.

Select Correct Option

- ✓ True
- ✓ **False**.....([For More Visit VUStudents.pk](https://VUStudents.pk))

Question No 6

In the plane equation $ax+by+cz+d=0$, $\langle a.b.c \rangle$ represents _____ of a plane.

Select Correct Option

- ✓ Vector
- ✓ Normal
- ✓ Distance
- ✓ **Points**.....([For More Visit VUStudents.pk](https://VUStudents.pk))

Question No 7

----- allows a user to display multiple windows like areas on the screen at the same time.

Select Correct Option

- ✓ **Windows Manager**.....([For More Visit VUStudents.pk](https://VUStudents.pk))
- ✓ Icon
- ✓ Button
- ✓ RAM

Question No 8

Save a line with both endpoints inside all clipping boundaries is called as _____.

Select Correct Option

- ✓ Total inside
- ✓ Trivial reject
- ✓ **Trivial accept**.....([For More Visit VUStudents.pk](https://VUStudents.pk))
- ✓ Total outside





Question No 9

An ellipse rotated about its major axis gives a _____ spheroid.

Select Correct Option

- ✓ Foci
- ✓ Radio
- ✓ **Prolate**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Oblate

Question No 10

In aa _____ matrix, the number of rows is equal to the number of columns.

Select Correct Option

- ✓ Oval
- ✓ Cubic
- ✓ **Square**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Homogeneous

Question No 11

The centre of projection for parallel projectors is at _____.

Select Correct Option

- ✓ **Infinity**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Point of view
- ✓ Center of screen
- ✓ Behind the scene

Question No 12

Sutherland-Hodgeman clipping algorithm clips any polygon against a concave clip polygon.

Select Correct Option

- ✓ **True**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ False





Question No 13

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

Select Correct Option

- ✓ Increment x
- ✓ **Increment y**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Decrement x
- ✓ Decrement y

Question No 14

_____ is the maximum number of points in CRT.

Select Correct Option

- ✓ Aspect ration
- ✓ **Resolution**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Persistence
- ✓ Frame buffer

Question No 15

_____ algorithm uses parametric equations for line clipping.

Select Correct Option

- ✓ **Cohen Sutherland**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Bresenham
- ✓ Liang-Barsky
- ✓ Sutherland and Hodgman's

Question No 16

Matrix multiplication is _____.

Select Correct Option

- ✓ **Associative**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Additive
- ✓ Commutative
- ✓ Traditional





Question No 17

If $|m| < 1$, the incremental line algorithm _____ by 1 in $y=mx+b$ till it reaches ending point.

Select Correct Option

- ✓ **Increment x**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Increment y
- ✓ Decrement x
- ✓ Decrement y

Question No 18

More polygons yield ----- approximation.

Select Correct Option

- ✓ Worst
- ✓ **Better**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Little
- ✓ Zero

Question No 19

We can draw eight points corresponding to each (x, y) point calculation in _____ drawing algorithm.

Select Correct Option

- ✓ **Sutherland**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Mid Clipping
- ✓ Mid Point Circle
- ✓ Sutherland Clipping

Question No 20

Which of the following is NOT a modern application for Computer Graphics -----.

Select Correct Option

- ✓ Computer Aided Geometric Design
- ✓ Video Games
- ✓ **Stop-motion animation**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Scientific Visualization





Question No 21

In the plane equation $ax+bx+cz+d=0$, d represents the distance from the _____ to the _____.

Select Correct Option

- ✓ **Plane, origin**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Plane, point
- ✓ Point, origin
- ✓ Point, point

Question No 22

_____ transformation distorts the shape of an object.

Select Correct Option

- ✓ Scaling
- ✓ Rotating
- ✓ Moving
- ✓ **Shear**.....([For More Visit VUStudents.pk](http://VUStudents.pk))

Question No 23

_____ is a type of monitors that use CRT.

Select Correct Option

- ✓ **RASTER-SCAN system**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Flood gum
- ✓ Flat-Panel Display
- ✓ LCD

Question No 24

Planes are to _____ what lines are in 2D.

Select Correct Option

- ✓ 1D
- ✓ 2D
- ✓ **3D**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ 4D





Question No 25

Discard a line with both endpoints outside boundaries is called as _____.

Select Correct Option

- ✓ **Trivial reject**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Trivial accept
- ✓ Total outside
- ✓ Total inside

Question No 26

The shortest possible element that can be displayed on the monitor without overlapping is known as _____.

Select Correct Option

- ✓ **Pixel**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Raster
- ✓ Phosphor
- ✓ Unit

Question No 27

A resolution of 200 scan lines, each containing 320 pixels is often referred as _____.

Select Correct Option

- ✓ 200*320
- ✓ **320*200**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ 320+200
- ✓ 320/200

Question No 28

_____ of a matrix is a new matrix whose rows are the columns of the original..

Select Correct Option

- ✓ inverse
- ✓ zero
- ✓ vector
- ✓ **transpose**.....([For More Visit VUStudents.pk](http://VUStudents.pk))





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Question No 29

Raster-Scan System use _____ number of bit(s) to store a 'black and white' image in the frame buffer.

Select Correct Option

- ☒ 1.....(For More Visit VUStudents.pk)
- ☐ 3
- ☐ 8
- ☐ 256

Question No 30

The direction of projection makes unequal angles with the three principal axes is called-----.

Select Correct Option

- ☐ Isometric
- ☐ Diametric
- ☒ Trimetric.....(For More Visit VUStudents.pk)
- ☐ Tetrameric

THE END

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