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# Computer Graphics Solved MCQs -Part 2

# MCQs

## Multiple Choice Questions

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Two consecutive scaling transformation  $s_1$  and  $s_2$  are

- ☐ Additive
  - ☒ Multiplicative
  - ☐ Subtractive
  - ☐ None of above
- 

A joystick is a

- ☒ Graphics input device
  - ☐ Graphics output device
  - ☐ Both a & b
  - ☐ None of these
- 

A view graph is

- ☐ An oversized slide designed for presentation on an O.H.P
  - ☒ Designed and created by exposing film to the output of the graphics system
  - ☐ A hard copy chart
  - ☐ None of the above
- 

Identify the values for fill-style parameter from the following

- ☐ Hollow
- ☐ Hatch
- ☐ Pattern

- ☐ All of the above
- 

**Raster scan systems display a picture from a definition in a**

- ☐ Display file program
  - ☐ Frame buffer
  - ☐ Display controller
  - ☐ None of the above
- 

**The slope of the line joining the points (3,0) and (5,0) is.....**

- ☐ 0
  - ☐ 1
  - ☐ 2
  - ☐ 3
- 

**Fractals deals with curves that are**

- ☐ Irregularly irregular
  - ☐ Regularly irregular
  - ☐ Irregularly regular
  - ☐ Regularly regular
- 

**..... will free the CPU from graphics chores.**

- ☐ Display processor
- ☐ Monitor
- ☐ ALU

- ☐ Video controller
- 

**Video devices with reduced volume, weight and power consumption are collectively known as .....**

- ☐ Light weight monitors
  - ☐ Flat-panel displays
  - ☐ CRT
  - ☐ Portable display
- 

**Aliasing means**

- ☐ Rendering effect
  - ☐ Shading effect
  - ☐ Staircase effect
  - ☐ Cueng effect
- 

**The technique of transforming one object into another is known as**

- ☐ Translation
  - ☐ Morphing
  - ☐ Scaling
  - ☐ None of the above
- 

**The purpose of flood gun in DVST is .....**

- ☐ To store the picture pattern
- ☐ To slow down the flood electrons

- ☐ To enable color pixels
  - ☐ To focus the electron beam
- 

**The region code of a point within the window is .....**

- ☐ 1111
  - ☐ 1010
  - ☐ 0011
  - ☐ 0000
- 

**The subcategories of orthographic projection are**

- ☐ Cavalier, cabinet, isometric
  - ☐ Cavalier, cabinet
  - ☐ Isometric, dimetric, trimetric
  - ☐ Isometric, cavalier, trimetric
- 

**When an input device is placed in event mode, data input from the device is accumulated in .....**

- ☐ Event queue
  - ☐ Read queue
  - ☐ Device list
  - ☐ None
- 

**Identify impact printer from the following**

- ☐ Drum Plotter

- ☐ Inkjet printer
  - ☐ Electrostatic printer
  - ☐ Dot-matrix printer
- 

**Which of the following is/are fundamental method(s) of antialiasing ?**

- (i) Increase of sample rate.**
- (ii) Treating a pixel as a finite area rather than as a point.**
- (iii) Decrease of sample rate.**

- ☐ (i) and (ii)
  - ☐ (ii) and (iii)
  - ☐ (i) only
  - ☐ (ii) only
- 

**Reflection of a point about x-axis, followed by a counter-clockwise rotation of 900 , is equivalent to reflection about the line ?**

- ☐  $x = -y$
  - ☐  $x = 0$
  - ☐  $x = y$
  - ☐  $x + y = 1$
- 

**..... includes vertex coordinates and parameters to identify the spatial orientation of polygon surfaces**

- ☐ Attribute table
- ☐ Geometric table
- ☐ Orientation table

- ☐ Position table
- 

**(2,4) is a point on a circle that has center at the origin. Which of the following points are also on circle ?**

- ☐ (2,-4)  
☐ (-2,4)  
☐ (-4,-2)  
☒ All of above
- 

**The slope of the line joining the points (0,0) and (5,5) is.....**

- ☐ 0  
☒ 1  
☐ 2  
☐ 3
- 

**Intensity representation of an image is called .....**

- ☐ Frame buffer  
☒ Picture definition  
☐ Display list  
☐ Brightness
- 

**Two consecutive rotation transformation  $r_1$  and  $r_2$  are**

- ☒ Additive  
☐ Multiplicative

- ☐ Subtractive
  - ☐ None of above
- 

.....acts as anode in CRT

- ☐ The phosphorous coating
  - ☐ The glass panel
  - ☐ The deflectors
  - ☐ None of these
- 

Identify the features of DVST from the following.

- ☐ Monochromatic, Flicker free, Low resolution
  - ☐ Monochromatic, Flicker free
  - ☐ Color screens, Refresh monitors, High resolution
  - ☐ Expensive, Low resolution
- 

Coordinate values for each vertex is stored in .....

- ☐ Coordinate table
  - ☐ Vertex table
  - ☐ Edge table
  - ☐ Location table
- 

If all the pixels within an octant have the same color, it is referred to as .....

- ☐ Heterogeneous octant



- ☐ Homogeneous octant
  - ☐ Simultaneous octant
  - ☐ Similar octant
- 

**The ..... simply reads each successive byte of data from the frame buffer.**

- ☐ Digital Controller
  - ☐ Data Controller
  - ☐ Display Controller
  - ☐ All of above
- 

**The rubber band method is also applicable to ..... objects.**

- ☐ Scale
  - ☐ Scalar
  - ☐ Vector
  - ☐ Rotate
- 

**. ..... is responsible for accessing the frame buffer to refresh the screen.**

- ☐ Graphics package
  - ☐ Video controller
  - ☐ CPU
  - ☐ Monitor
- 

**Graphics and image processing technique used to produce a**

**transformation of one object into another is called**

- ☐ Animation
  - ☐ Morphing
  - ☐ Half toning
  - ☐ None of the above
- 

**The slope of the line joining the points (1,2) and (3,4) is.....**

- ☐ 0
  - ☐ 1
  - ☐ 2
  - ☐ 3
- 

**..... solid representation take advantage of spatial coherence to reduce the storage representations.**

- ☐ Sweep representation
  - ☐ Octree
  - ☐ Polygon surfaces
  - ☐ CSG
- 

**The basic geometric structures that describes a scene on display is called .....**

- ☐ Attributes
- ☐ Output primitive
- ☐ Lines
- ☐ Curves

---

**An axonometric projection in which the direction of the projection makes unequal angle with all the three principal axes is called**

- ☐ Cantilever projection
- ☐ Perspective projection
- ☒ Oblique projection
- ☐ Isometric projection

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**A surface appearing block**

- ☐ Reflects all the incident colors
- ☒ Reflects all the incident colors except block
- ☐ Reflects only block and absorbs the rest
- ☐ Reflects none

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**The transformation in which the dimension of an object are changed relative to a specified fixed point is called**

- ☐ Rotation
- ☐ Reflection
- ☐ Translation
- ☒ Scaling

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**Each screen point is referred to as .....**

- ☐ Resolution
- ☒ Pixel
- ☐ Persistence

- ☐ Dot Pitch
- 

**The region code of a point is 1001. The point is in the ..... region of window**

- ☐ Top right
  - ☒ Top left
  - ☐ Bottom left
  - ☐ Bottom right
- 

**Beam penetration method is usually used in .....**

- ☐ LCD
  - ☐ Raster Scan display
  - ☒ Random scan display
  - ☐ DVST
- 

**..... is a data element to store the pixels within an octant having same color**

- ☒ Voxel
  - ☐ Void
  - ☐ Tex
  - ☐ Flag
- 

**The process of selecting and viewing the picture with different views is called\_\_?**

- ☒ Windowing

- ☐ clipping
  - ☐ projecting
  - ☐ both a and b
- 

**Interlaced refresh procedure is allowed in .....**

- ☐ LCD
  - ☐ DVST
  - ☐ Raster scan display
  - ☐ Random scan display
- 

**The shortest distance between any two dots of the same color is called .....**

- ☐ Resolution
  - ☐ Dot Pitch
  - ☐ Pixel Depth
  - ☐ ppi
- 

**An axonometric projection in which the direction of the projection makes equal angle with all the three principal axes is called**

- ☐ Cantilever projection
  - ☐ Perspective projection
  - ☐ Oblique projection
  - ☐ Isometric projection
- 

**Computer generated models of physical, financial and economic**

**systems are often used for ?**

- ☐ Entertainment
  - ☐ Quality Control
  - ☒ Educational Aid
  - ☐ None of above
- 

**Which technique of color CRT is used for production of realistic image**

- ☐ Beam penetration
  - ☒ Shadow mask
  - ☐ both a&b
  - ☐ None
- 

**The refresh rate below which a picture flicker is .....**

- ☒ 25
  - ☐ 30
  - ☐ 35
  - ☐ 40
- 

**The transformation in which an object is moved from one position to another in circular path around a specified pivot point is called**

- ☒ Rotation
- ☐ Shearing
- ☐ Translation
- ☐ Scaling

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**Coordinates of viewport are known as .....**

- ☐ World coordinates
- ☐ Polar coordinates
- ☐ [Screen coordinates](#)
- ☐ Cartesian coordinates