

1. Which of the following statements define Computer Graphics?

- a) It refers to designing plans
- b) It means designing computers
- c) It refers to designing images
- d) None of the mentioned

2. Among the given scientists/inventor who is known as the father of Computer Graphics?

- a) Nikola Tesla
- b) Ivan Sutherland
- c) Ada Lovelace
- d) Marie Curie

3. Which of the following are the features of Computer Graphics?

- a) Creation and deletion of images by computer only
- b) Deletion and manipulation of graphical images by computer
- c) Creation and manipulation of graphics by computer
- d) Creation of artificial images by computer only

4. Which of the following is a Computer Graphics type?

- a) Raster and Vector
- b) Raster and Scalar
- c) Scalar only
- d) All of the above

5. Who is the first user of computer graphics?

- a) William Fetter
- b) Ivan Edward Sutherland
- c) Ada Lovelace
- d) Nicholas Williams

6. Which of the following is the purpose for using clipping in computer graphics?

- a) copying
- b) zooming
- c) adding graphics
- d) removing objects and lines

7. In a graphical system, an array of pixels in the picture are stored in which of the following locations?

- a) Frame buffer
- b) Processor
- c) Memory
- d) All of the mentioned

8. Bitmap is a collection of _____ that describes an image.

- a) pixels
- b) algorithms
- c) bits
- d) colors

9. Which of the following devices provides positional information to the graphics system?

- a) Pointing devices
- b) Both Input devices and Pointing devices
- c) Output devices
- d) Input devices

10. Which of the following is defined as the number of pixels stored in the frame buffer of a graphics system?

- a) Resalution
- b) Resolution
- c) Depth
- d) None of the mentioned

11. Which of the following is a primary output device of a graphics system?

- a) Printer
- b) Scanner
- c) Video monitor
- d) Neither Scanner nor Video monitor

12. Which of the following is used in graphics workstations as input devices to accept voice commands?

- a) Speech recognizers
- b) Touch panels
- c) None of the mentioned
- d) All of the mentioned

13. Which of the following is defined as the process of elimination of parts of a scene outside a window or a viewport?

- a) editing
- b) cutting
- c) plucking
- d) clipping

14. 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
- c) Multi map
- d) All of the mentioned

15. What does an aspect ratio mean?

- a) Ratio of vertical points to horizontal points
- b) Ratio of vertical points to horizontal points and horizontal points to vertical points
- c) Number of pixels
- d) Ratio of horizontal points to vertical points

16. Each screen point is referred to as ?

- a) Resolution
- b) Pixel
- c) Persistence
- d) Dot Pitch

17. On a monochromatic monitor, the frame buffer is known as ?

- a) Display file
- b) Pixmap
- c) Bitmap
- d) Refresh buffer

18. Color information can be stored in

- a) Main memory
- b) Secondary memory
- c) Graphics card
- d) Frame buffer

19. The range that specifies the gray or grayscale levels is

- a) The value range from -1 to 1
- b) The value range from 0 to -1
- c) The value range from 0 to 1
- d) Any one of the above

20. In which system, the Shadow mask methods are commonly used

- a) Raster-scan system
- b) Random-scan system
- c) Only b
- d) Both a and b

21. The process of digitizing a given picture definition into a set of pixel-intensity for storage in the frame buffer is called

- a) Rasterization
- b) Encoding
- c) Scan conversion
- d) True color system

22. Random-scan system mainly designed for

- a) Realistic shaded screen
- b) Fog effect
- c) Line-drawing applications
- d) Only b

23. The primary output device in a graphics system is_____

- a) Scanner
- b) Video monitor
- c) Neither a nor b

d) Printer

24. On a black and white system with one bit per pixel, the frame buffer is commonly called as

- a) Pix map
- b) Multi map
- c) Bitmap
- d) All of the mentioned

25. What technology does a CRT (Cathode Ray Tube) use to create images on the screen?

- a. Liquid crystals
- b. Electron beams
- c. LEDs
- d. Organic LEDs

26. Which of the following is NOT a characteristic of CRT displays?

- a. Uses electron beams
- b. Slim design
- c. Traditional and bulky
- d. Lights up phosphors on the screen

27. What does an electron gun emit in a CRT display?

- a. Photons
- b. Protons
- c. Electrons

d. Neutrons

28 . What material is the screen coated with in a CRT display to create the visible image?

a. Liquid crystals

b. Organic LEDs

c. Phosphor

d. Electrons