

Online Assessment (Even Sem/Part-I/Part-II Examinations 2019 - 2020)

Course Name - Computer Graphics

Course Code - MCA402

* You can submit the form ONLY ONCE.

* Fill the following information for further process.

* Required

1. Email address *

2. Name of the Student *

3. Enter Full Student Code *

4. Enter Roll No *

5. Enter Registration No *

6. Enter Course Code *

7. Enter Course Name *

8. Select Your Programme *

Mark only one oval.

- Diploma in Pharmacy
- Bachelor of Pharmacy
- B.TECH.(CSE)
- B.TECH.(ECE)
- BCA
- B.SC.(CS)
- B.SC.(BT)
- B.SC.(ANCS)
- B.SC.(HN)
- B.Sc.(MM)
- B.A.(MW)
- BBA
- [B.COM](#)
- B.A.(JMC)
- BBA(HM)
- BBA(LLB)
- B.OPTOMETRY
- B.SC.(MB)
- B.SC.(MLT)
- B.SC.(MRIT)
- B.SC.(PA)
- LLB
- PGDHM
- Dip.CSE
- Dip.ECE
- Dip.EE
- Dip.CE
- Dip.ME
- MCA
- M.SC.(CS)

- M.SC.(ANCS)
- M.SC.(MM)
- MBA
- M.SC.(BT)
- M.TECH(CSE)
- LLM
- M.A.(JMC)
- M.A.(ENG)
- M.SC.(MATH)
- M.SC.(MB)

Answer all the questions. Each question carry one mark.

9. 1. Which keys allows user to enter frequently used operations in a single key stroke?

Mark only one oval.

- Function keys
- Cursor control keys
- Trackball
- Control keys

10. 2. The device which is used to position the screen cursor is

Mark only one oval.

- Mouse
- Joystick
- Data glove
- Both Mouse & Data glove

11. 3. Drawing of number of copies of the same image in rows and columns across the interface window so that they cover the entire window is called _____

Mark only one oval.

- Roaming
- Panning
- Zooming
- Tiling

12. 4. To avoid losing information from periodic objects we need

Mark only one oval.

- Sampling frequency twice
- Nyquist sampling frequency
- Both Sampling frequency twice & Nyquist sampling frequency
- Neither Sampling frequency twice nor Nyquist sampling frequency

13. 5. The disadvantage of line DDA is

Mark only one oval.

- Time consuming
- Faster
- Neither Time consuming nor Faster
- Both Time consuming and Faster

14. 6.Both Time consuming and Faster

Mark only one oval.

- DDA algorithm
- Mid-point algorithm
- Parallel line algorithm
- Bresenham's line algorithm

15. 7._____ is defined as set of points such that the sum of the distances is same for all points

Mark only one oval.

- Ellipses
- Lines
- Circles
- None of these

16. 8. An ellipse can also be rotated about its center coordinates by rotating

Mark only one oval.

- End points
- Major and minor axes
- All of these
- None of these

17. 9. If we want to use more intensity levels to anti-alias the line, then

Mark only one oval.

- We increase the number of sampling positions
- We decrease the number of sampling positions
- We increase the number of pixels
- None of these

18. 10. The original coordinates of the point in polar coordinates are

Mark only one oval.

- $X'=r \cos (\Phi +\Theta)$ and $Y'=r \cos (\Phi +\Theta)$
- $X'=r \cos (\Phi +\Theta)$ and $Y'=r \sin (\Phi +\Theta)$
- $X'=r \cos (\Phi -\Theta)$ and $Y'=r \cos (\Phi -\Theta)$
- $X'=r \cos (\Phi +\Theta)$ and $Y'=r \sin (\Phi -\Theta)$

19. 11. _____ is the rigid body transformation that moves object without deformation.

Mark only one oval.

- Translation
- Scaling
- Rotation
- Shearing

20. 12. The transformation that is used to alter the size of an object is

Mark only one oval.

- Scaling
- Rotation
- Translation
- Reflection

21. 13. Scaling of a polygon is done by computing

Mark only one oval.

- The product of (x, y) of each vertex
- (x, y) of end points
- Center coordinates
- None of these

22. 14. If the scaling factors values s_x and $s_y < 1$ then

Mark only one oval.

- It reduces the size of object
- It increases the size of object
- It stunts the shape of an object
- None

23. 15. What is the determinant of the pure reflection matrix?

Mark only one oval.

-1

1

0

2

24. 16. Which is the best line algorithm to balance the processing load among the processors?

Mark only one oval.

Parallel line algorithm

DDA line algorithm

Bresenham's line algorithm

Position Bresenham's line algorithm

25. 17. The algorithm which uses multiple processors to calculate pixel positions is

Mark only one oval.

Midpoint algorithm

Parallel line algorithm

Bresenham's line algorithm

All of the mentioned

26. 18. Cohen-Sutherland clipping is an example of _____

Mark only one oval.

- polygon clipping
- text clipping
- line clipping
- curve clipping

27. 19. The Cohen-Sutherland algorithm divides the region into ____ number of spaces.

Mark only one oval.

- 8
- 6
- 7
- 9

28. 20. What is the name of the small integer which holds a bit for the result of every plane test?

Mark only one oval.

- setcode
- outcode
- incode
- bitcode

29. 21.If both codes are 0000, (bitwise OR of the codes yields 0000) line lies _____ the window.

Mark only one oval.

- completely outside
- half inside half outside
- completely inside
- can't say anything

30. 22. The logical _____ of the endpoint codes determines if the line is completely inside the window.

Mark only one oval.

- AND
- OR
- NOT
- NOR

31. 23. Sutherland-Hodgeman clipping is an example of _____ algorithm.

Mark only one oval.

- line clipping
- polygon clipping
- text clipping
- curve clipping

32. 24. One of the drawbacks of Sutherland- Hodgeman algorithm is that it can't produce _____ areas.

Mark only one oval.

- connected
- multiple
- discrete
- circular

33. 25. The process of removal of hidden surfaces is termed as _____

Mark only one oval.

- clipping
- copying
- culling
- shorting

34. 26. Liang–Barsky algorithm is a _____ clipping algorithm.

Mark only one oval.

- circle
- text
- line
- pixel

35. 27. The basic geometric transformations are

Mark only one oval.

- Translation
- Rotation
- Scaling
- All of the mentioned

36. 28. To generate a rotation , we must specify

Mark only one oval.

- Rotation angle Θ
- Distances dx and dy
- Rotation distance
- All of the mentioned

37. 29. Area-sampling is also known as

Mark only one oval.

- Pre-filtering
- Pixel phasing
- Post-filtering
- Anti-aliasing

38. 30. Cubic sp line are

Mark only one oval.

- Simple to compute
 - Provides continuity of curves
 - both Simple to compute and Provides continuity of curves
 - None of these
-

This content is neither created nor endorsed by Google.

Google Forms