Started on	Friday, 18 September 2020, 10:02 AM
State	Finished
Completed on	Friday, 18 September 2020, 10:24 AM
Time taken	21 mins 58 secs
Grade	**28.00** out of 30.00 (**93**%)

Question 1

Correct

Mark 1.00 out of 1.00

The initial decision parameter, P_0 in Bresenhams Line Drawing Algorithm is given by,

a. $P_k = \Delta Y - 3\Delta X$

b. $P_k = \Delta Y - \Delta X$

c. $P_k = 2\Delta Y - \Delta X$ ✔

d. $P_k = \Delta Y + 2\Delta X$

Your answer is correct.

The correct answer is:

$P_k = 2\Delta Y - \Delta X$

Question 2

Correct

Mark 1.00 out of 1.00

Display window is where the scene will be displayed (True/False)

Select one:

True ✔

False

The correct answer is 'True'.

Question 3

Correct

Mark 1.00 out of 1.00

To apply the midpoint method, we define,

- a. circle(x, y)= $x^2+ y^2- r^2$ ✔
- b. circle(x, y)= $x+ y^2-r^2$
- c. circle(x, y)= $x^2– y^2-r^2$

Your answer is correct.

The correct answer is:
circle(x, y)= $x^2+ y^2- r^2$

Question 4

Correct

Mark 1.00 out of 1.00

Logical classification of input devices include

- a. Stroke device
- b. Locator device
- c. All of these ✔
- d. Valuator device

Your answer is correct.

The correct answer is:
All of these

Question 5

Correct

Mark 1.00 out of 1.00

In stroke device a sequence of points are selected. (True/False)

Select one:

- True ✔
- False

The correct answer is 'True'.

Question 6

Correct

Mark 1.00 out of 1.00

In line clipping, the portion of line which is _____ of window is cut and the portion that is _____ the window is kept.

- a. exact copy, different
- b. outside, inside ✔

Your answer is correct.

The correct answer is:
outside, inside

Question 7

Correct

Mark 1.00 out of 1.00

Bresenham's employs floating point and rounding off operations.

Select one:

- True
- False ✔

The correct answer is 'False'.

Question 8

Correct

Mark 1.00 out of 1.00

--------- is a transformation that produces mirror image of an object relative to axis of reflection.

- a. Reflection ✔
- b. Scaling
- c. Shearing
- d. Translation

Your answer is correct.

The correct answer is:
Reflection

Question 9

Correct

Mark 1.00 out of 1.00

Expansion of line DDA algorithm is _____

- a. Digital differential analyzer ✔
- b. Data differential analyzer
- c. Digital difference analyzer
- d. Direct differential analyzer

Your answer is correct.

The correct answer is:
Digital differential analyzer

Question 10

Correct

Mark 1.00 out of 1.00

The process of mapping a part of the world co-ordinate scene to device co-ordinate system is known as viewing transformation.

Select one:

- True ✔
- False

The correct answer is 'True'.

Question 11

Correct

Mark 1.00 out of 1.00

The two-dimensional scaling equation in the matrix form is

- a. P′=P+T
- b. P′=S*P ✔
- c. P′=P*R

Your answer is correct.

The correct answer is:
P′=S*P

Question 12

Correct

Mark 1.00 out of 1.00

---------- is used to choose the next correct pixel in Bresenham's line drawing algorithm.

a. **Attribute Parameter, A**

b. **Decision Parameter, P** ✔

c. **Fill Style Parameter, F**

Your answer is correct.

The correct answer is:

Decision Parameter, P

Question 13

Correct

Mark 1.00 out of 1.00

..... is the ratio of horizontal points to vertical points necessary to produce equal length lines.

a. Resolution

b. Aspect Ratio ✔

c. Height-Width Ratio

d. none of the above

Your answer is correct.

The correct answer is:
Aspect Ratio

Question 14

Correct

Mark 1.00 out of 1.00

Two successive translations are additive, T(tx1+tx2, ty1+ty2). (True/False)

Select one:

- True ✔
- False

The correct answer is 'True'.

Question 15

Correct

Mark 1.00 out of 1.00

In Cohen Sutherland, the Sequence of reading the region code bits is Bottom, Left, Right, Top.

Select one:

- True
- False ✔

The correct answer is 'False'.

Question 16

Correct

Mark 1.00 out of 1.00

Two general approaches of Anti-aliasing are.....

- a. Both Super sampling and Area sampling ✔
- b. Super sampling
- c. Area sampling

Your answer is correct.

The correct answer is: Both Super sampling and Area sampling

Question 17

Correct

Mark 1.00 out of 1.00

Shearing distorts the shape of an object such that the transformed object appears as if the object were composed of internal layers that had been caused to slide over each other.

Select one:

- True ✔
- False

The correct answer is 'True'.

Question 18

Correct

Mark 1.00 out of 1.00

Displacement of an object in a given distance and direction from its original position is called

- a. Reflection
- b. Translation ✔
- c. Shearing
- d. Rotation

Your answer is correct.

The correct answer is:
Translation

Question 19

Incorrect

Mark 0.00 out of 1.00

In Liang Barsky algorithm, the time at starting(t1) and ending points(t2) are 0 and 1 respectively.

Select one:

- True
- False ✖

The correct answer is 'True'.

Question 20

Correct

Mark 1.00 out of 1.00

A line entirely outside the window is considered as ----------

- a. Clipped
- b. Visible
- c. Invisible ✔
- d. None of these

Your answer is correct.

The correct answer is:

Invisible

Question 21

Correct

Mark 1.00 out of 1.00

The Cartesian slope-intercept equation for a straight line is _____.

- a. y = m.x+b ✔
- b. y = b.x + m
- c. y = b + m.m
- d. y = y.b + c

Your answer is correct.

The correct answer is:
y = m.x+b

Question 22

Correct

Mark 1.00 out of 1.00

The function used to get the maximum screen coordinates in C graphics is .....

a. **getmaximum_xy()**

b. **getmaxx() & getmaxy()** ✔

c. **getx() & gety()**

d. **get_maximumxy()**

Your answer is correct.

The correct answer is:
getmaxx() & getmaxy()

Question 23

Correct

Mark 1.00 out of 1.00

Shadow-mask methods produce a much wider range of colors than the beam penetration method.

Select one:

True ✔

False

The correct answer is 'True'.

Question 24

Correct

Mark 1.00 out of 1.00

Smallest size object(element) that can be displayed on a monitor is called .....

a. Point

b. Picture Element ✔

c. Dot Pitch

d. Aspect Ratio

Your answer is correct.

The correct answer is: Picture Element

Question 25

Incorrect

Mark 0.00 out of 1.00

The purpose of refreshing a CRT is .....

a. To avoid flickering ✖

b. To avoid fading of pixels

c. To maintain steady picture

d. All of the above

Your answer is incorrect.

The correct answer is:
All of the above

Question 26

Correct

Mark 1.00 out of 1.00

For a point to be saved in point clipping, which of the following conditions must be satisfied by the point?

a. $xw_{min} = x = xw_{max}$

b. $xw_{min} <= x <= xw_{max}$ ✔

Your answer is correct.

The correct answer is:
$xw_{min} <= x <= xw_{max}$

Question 27

Correct

Mark 1.00 out of 1.00

The image quality seems good when the number of pixels are .....

a. **Lesser**

b. **Higher** ✔

c. **Both Higher and lesser**

Your answer is correct.

The correct answer is:
Higher

Question 28

Correct

Mark 1.00 out of 1.00

Pixel definition is stored in a memory location called.....

a. **All of the above** ✔

b. **Refresh buffer**

c. **Frame Buffer**

d. **Refresh display file**

Your answer is correct.

The correct answer is:
All of the above

Question 29

Correct

Mark 1.00 out of 1.00

Scaling is used to rotate the object with some specified angle. (True or False)

Select one:

True

False ✔

The correct answer is 'False'.

Question 30

Correct

Mark 1.00 out of 1.00

Identify the colors produced in beam penetration method.

a. Green, Red, White, Orange

b. Red, Orange, Yellow, Green ✔

c. Red, Green, Blue, White

d. Red, Green, Blue

Your answer is correct.

The correct answer is:
Red, Orange, Yellow, Green

◀ UNIT 2 Polygon and Logical Classification

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