Mark Hear John

C. Point

D. Cross Product

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COLLEGE OF SCIENCE AND TECHNOLOGY

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Question Bank

Class: T.Y.B. Sc.CS	Semester: V
Subject: Game Programming	
1. On the Cartesian plane, the	v avie je also known as
A. horizontal axis	X-axis is also known as
B. vertical axis	
C. point coordinate	
D. function coordinate	
2. What quadrant is (-2,1) in?	
A. IV	
B. III	
C. II	
D. I	
3. A circle is a	curve, every point on which is equidistant from a given fixed
point.	
A. Closed	
B. Open	
C. Single	
D. Double	
4. The vector product of two v	ector is also known as.
A. Product Scalar Product	
B. Dot product	

5. Cross product of two same vectors is equal to
A. 0
B. 1
C. J
D. j.j
6. What is the magnitude of the vector, $12i - 8j - 24k$?
A. 18
B. 28
C. 38
D. 48
7. For two vectors A and B, what is A.B (if they have angle α between them)?
A. $ A B \cos\alpha$
B. A B
C. $\sqrt{(A B)\cos\alpha}$
D. $ A B \sin\alpha$
8. What is Distributive law?
A. A.B = B.A
B. $a(A.B) = A.(aB)$
C. $A.(B+D) = (A.B) + (A.D)$
D. $a(A.B) = AxB$
9. Mathematically, for two vectors A and B of any magnitude, the cross product of both, i.e.
AxB = given by:
A. $ A B \sin\emptyset$
B. $ A B $
C. $ A B \cos\emptyset$
D. $ A B \sin(180^{\circ}+\emptyset)$
10. Which of them is not correct?
A. $j \times j = 0$
B. $j \times k = i$
C. $j \times i = k$
D. $j \times i = -k$
11. The radiant efficiency of the luminous source depends on
A. The shape of the source
B. The temperature of the source

- C. The wavelength of the light rays
- D. All of the above
- 12. The unit of luminous flux is.
 - A. Steradian
 - B. Candela
 - C. Lumen
 - D. Lux
- 13. The method which is based on the principle of checking the visibility point at each pixel position on the projection plane are called
 - A. Object-space method
 - B. Image-space method
 - C. Both A & B
 - D. None of theses
- 14. Back Face Detection is.
 - A. Identifying the back face of a polyhedron
 - B. Comparing Surface depths at each pixel position.
 - C. All polygon surface intersecting the scan line are examined
 - D. Surfaces are scan converted in order, starting with the surface of greatest depth.
- 15. In 2D-translation, a point (x, y) can move to the new position (x', y') by using the equation.
 - A. x'=x+dx and y'=y+dx
 - B. x'=x+dx and y'=y+dy
 - C. X'=x+dy and Y'=y+dx
 - D. X'=x-dx and y'=y-dy
- 16. Positive values for the rotation angle Θ defines
 - A. Counterclockwise rotations about the end points
 - B. Counterclockwise translation about the pivot point
 - C. Counterclockwise rotations about the pivot point
 - D. Negative direction
- 17. The original coordinates of the point in polor coordinates are
 - A. $X'=r \cos (\Phi + \Theta)$ and $Y'=r \cos (\Phi + \Theta)$
 - B. $X'=r \cos(\Phi + \Theta)$ and $Y'=r \sin(\Phi + \Theta)$

C. $X'=r\cos(\Phi - \Theta)$ and $Y'=r\cos(\Phi - \Theta)$	
D. $X'=r \cos (\Phi + \Theta)$ and $Y'=r \sin (\Phi - \Theta)$	
18. If the scaling factors values sx and sy < 1 then	
A. It reduces the size of object	
B. It increases the size of object	
C. It stunts the shape of an object	
D. None	
19. Which transformation needs homogeneous coordinates to represent it in Matrix from)
A. Scaling	
B. Rotation	
C. Translation	
D. Reflection	
20. A matrix B and will have the same determinant.	
A. Its transpose	
B. Its inverse	
C. Its echelon matrix	
D. Its adjoint	
21. The correct determinant value for the determinant $\begin{vmatrix} 7 & 8 \\ 5 & 2 \end{vmatrix}$ would be A. $(7)(5)$ - $(8)(2)$	
B. (7)(2)+(5)(8)	
C. $(7)(2)+(8)(5)$	
D. (7)(2)-(5)(8)	
22. In perspective projection, all lines of sight start at a point.	
A. Double	
B. Triple	
C. Multiple	
D. Single	
23. It is a vertical projection plane used to obtain the object's Perspective is	
A. Orthographic plane	
B. Vertical plane	
C. Perspective picture plane	
D. Horizontal plane	

- 24. Interpolation is done by
 - A. Curve fitting
 - B. Regression analysis
 - C. Curve fitting & Regression analysis
 - D. None of the mentioned
- 25. What is a GPU?
 - A. Grouped Processing Unit
 - B. Graphics Processing Unit
 - C. Graphical Performance Utility
 - D. Graphical Portable Unit
- 26. In graphical system, the array of pixels in the picture are stored in
 - A. Memory
 - B. Frame buffer
 - C. Processor
 - D. Ram
- 27. What is a VA or VAO
 - A. Vector Array Object
 - B. Vertex Automation Output
 - C. Vertex Array Object
 - D. Vector Array Output
- 28. What does Open GLSL stand for?
 - A. Graphical Library of Shader Languages
 - B. Geographic Land and Survey Library
 - C. Graphics Library Shader Language
 - D. Graphical Language and Shading Library
- 29. OpenGL stands for.
 - A. Open General Liability
 - B. Open Graphics Library
 - C. Open Guide Line
 - D. Open Graphics Layer
- 30. In OpenGL, what is a "stencil buffer"?
 - A. The act of swapping buffers done natively on the hardware
 - B. A low-resource buffer used for accumulating fragments from rendering to "cut out" another accumulated render

- C. A high-bandwidth buffer used for fragmenting images into accumulation buffers
- D. A special type of buffer used only to draw text
- 31. What is swap chain?
 - A. A collection of buffers that are used for displaying frames to the user
 - B. A collection of pointers that are used for displaying graphics to the user
 - C. A collection of frames that are used for displaying buffer to the user
 - D. A collection of images that are used for displaying frames to the user
- 32. A process with the help of which images or picture can be produced in a more realistic way is called.
 - A. Fractal
 - B. Defined Sequence
 - C. Quad-tree
 - D. Rendering
- 33. A polygon is constructed from a sequence of.
 - A. Line
 - B. Vertex
 - C. Coordinates
 - D. Angle
- 34. An n-dimensional vector V can be written as
 - A. $V=(v_1,v_2,v_3,...,v_n)$
 - B. V=(vn, v2, v3, ..., vn)
 - C. V=(vn-1,v2,v3,...,vn)
 - D. V=(vn)
- 35. The area of a polygonal shape is readily calculated from its chain of coordinates
 - A. =1/3[(x0y1-x1y0)+(x1y2-x2y1)+(x2y3-x3y2)+(x3y0-x0y3)]
 - B. =1/2[(x0y1-x1y0)+(x1y2-x2y1)+(x2y3-x3y2)+(x3y0-x0y3)]
 - C. =1/2[(x1y1-x0y0)+(x1y2-x2y1)+(x2y3-x3y2)+(x3y0-x0y3)]
 - D. =1/2[(x0y1-x1y0)+(x1y2-x2y1)+(x2y3-x3y2)+(x0y0-x0y0)]
- 36. Thesimplest3Dpolygonisatriangle, which is always
 - A. linear
 - B. circular
 - C. Planar
 - D. rectangular

- 37. Euler's rule specify nice relationship between vertices, edges and the faces of a 3D polygonal object.
 - A. faces + vertices = edges -2
 - B. faces+ vertices = edges +2
 - C. faces- vertices = edges +2
 - D. faces- vertices = edges -2
- 38. 3D vector r with its head, tail, components and magnitude annotated. The components and magnitude are given by.
 - A. $\Delta x = (xh *xt)$
 - B. $\Delta x = (xh + xt)$
 - C. $\Delta x = (xh xt)$
 - D. $\Delta x = (xh/xt)$
- 39. Converting a vector into a unit form is called.
 - A. Normalizing
 - B. Vectorization
 - C. Rendering
 - D. Rastorization
- 40. By employing the rules of vector addition and subtraction, we can compose a vector r by adding three Cartesian vectors as follows:
 - A. r = ai + bj ck
 - B. r = ai bj + ck
 - C. r = ai bj ck
 - D. r = ai + bj + ck
- 41. Vector multiplication provides some powerful ways of computing angles and _____
 - A. Surface Fractal
 - B. Surface Orientation
 - C. Surface Planar
 - D. Surface Fraction
- 42. The scalar product of two vectors is written
 - A. $s \cdot r = ||s|| + ||r|| \cos(\beta)$
 - B. $s \cdot r = ||s|| ||r|| \cos(\beta)$
 - C. $s \cdot r = ||s|| \cdot ||r|| \cos(\beta)$
 - D. $\mathbf{s} \cdot \mathbf{r} = ||\mathbf{s}|| * ||\mathbf{r}|| \cos(\beta)$

43.	Lambert's law states that the intensity of illumination on a diffuse surface is proportional
	to the cosine of the angle between the surface normal vector and the
	A. Light Source Direction
	B. Normal Vector Direction
	C. Vector Direction
	D. Viewing Angle
44.	If this angle is less than 90° the polygon is
	A. Invisible
	B. Partial Visible
	C. Visible
	D. None of these
45.	Two vectors \boldsymbol{r} and \boldsymbol{s} can be multiplied together to produce a third vector t : $r\times\boldsymbol{s}=t$ where .
	A. $ t = r \cdot s \cos(\beta)$
	B. $ t = r \cdot s \sin(\beta)$
	C. $ t = r + s \sin(\beta)$
	D. $ t = r + s \cos(\beta)$
46.	Using the definition for the cross product, operations such as (i×i), (j×j)and ($k\times k)$ result
	in a vector whose magnitude is
	A. 1
	B1
	C. 2
	D. 0
47.	The right-hand rule is an aide m'emoire for working out the orientation of the
	A. Scalar Product Vector
	B. Cross Product Vector
	C. Magnitude of vector
	D. Dot Product vector
48.	Two 2D vectors , r and s ,The height h= s sin(β), therefore the area of the parallelogram
	is
	A. $ \mathbf{r} \mathbf{s} = \mathbf{r} \cdot \mathbf{s} \sin(\beta)$
	B. $ r h = r \cdot s \cos(\beta)$
	C. $ \mathbf{r} \mathbf{r} = \mathbf{r} \cdot \mathbf{s} \sin(\beta)$

D. $ r h = r \cdot s \sin(\beta)$
49. The area of the triangle formed by the vectors r and s is half the magnitude of their.
A. Cross Product
B. Dot Product
C. Scalar Product
D. Vector Product
50. The determinant of a 2×2 matrix is a scalar quantity computed, its determinant is
A. adb–cb
B. $bd - cb$
C. $ad - cb$
D. $ad - ca$
51. Roll is the angle of rotation about the
A. z-axis
B. y-axis
C. x-axis
D. no-axis
52. If the X'- and Y'-axes are assumed to be unit vectors their direction cosines form the
elements of the
A. Translation Matrix
B. Scaling Matrix
C. Rotation Matrix
D. Reflection Matrix
53. Image space is a projection – normally perspective – of the camera space onto an
A. Image Plane
B. Arbitrary Plane
C. Orthogonal plane
D. Vector Plane
54. A 3D unit vector has three components [xyz] ^T , which are equal to the cosines of the
angles formed between the vector and the three
A. Bipolar Axes
B. Polar Axes
C. Orthogonal Axes
D. Diagonal Axes
55. A quaternion q is a quadruple of real numbers and is defined as.

- A. q = [s,v]
- B. q = (s,v)
- C. $q = \{s, v\}$
- D. q = |s,v|
- 56. A vertex can then be represented in quaternion form by its equivalent position vector and a zero scalar term. For example, a point P(x, y, z) is represented in quaternion form by
 - A. p = [1+xi+yj+zk]
 - B. p = [1+xi-yj+zk]
 - C. p = [0+xi yj + zk]
 - D. p = [0+xi+yj+zk]
- 57. Quaternions can be multiplied together to create a single quaternion representing a compound rotation by____
 - A. $q = q_{yaw}q_{pitch}q_{roll} = [s xi + yj + zk]$
 - B. $q = q_{yaw}q_{pitch}q_{roll} = [s + xi + yj + zk]$
 - C. $q = q_{vaw}q_{pitch}q_{roll} = [s xi + yj zk]$
 - D. $q = q_{yaw}q_{pitch}q_{roll} = [s + xi yj + zk]$
- 58. If β varies between 0 and $\pi/2$, $\cos 2(\beta)$ varies between 1 and 0, and $\sin 2(\beta)$ varies between 0 and 1, which can be used to modify the two interpolated values n1 and n2 as follows
 - A. $n = n1 \cos 2(t) n2 \sin 2(t)$
 - B. $n = n1 \sin 2(t) + n2 \cos 2(t)$
 - C. $n = n1 \sin 2(t) n2 \sin 2(t)$
 - D. $n = n1 \cos 2(t) + n2 \sin 2(t)$
- 59. A cubic polynomial will form the basis of the interpolant.
 - A. $V1 = at^3 + bt^2 ct + d$
 - B. $V1 = at^3 + bt^2 + ct + d$
 - C. $V1 = at^3 + bt^2 + ct d$
 - D. $V1 = at^3 bt^2 + ct + d$
- 60. When interpolating vectors, θ is the angle between the two vectors. If this is not known, it can be derived using the dot product formula
 - A. $Cos(\Theta) = V_1.V_2 * ||V_1|| ||V_2||$
 - B. $Sin(\Theta) = V_1.V_2 / ||V_1|| ||V_2||$
 - C. $Cos(\Theta) = V_1.V_2 / ||V_1|| ||V_2||$

- D. $Cos(\Theta) = V_1 \cdot V_2 + ||V_1|| ||V_2||$
- 61. The well-known equation of a line is_____
 - A. y = mx + c
 - B. y = mx c
 - C. y = mx / c
 - D. y = mx * c
- 62. There is an intimate relationship between the sin and cos definitions, and they are formally related by .
 - A. $cos(\beta) = sin(\beta 90^\circ)$
 - B. $\sin(\beta) = \sin(\beta + 90^{\circ})$
 - C. $cos(\beta) = sin(\beta + 90^\circ)$
 - D. $sin(\beta) = sin(\beta 90^\circ)$
- 63. The sine rule relates angles and side lengths for a triangle labeled such that side a is opposite angle A, side b is opposite angle B, etc. The sine rule states
 - A. $a / \sin A = b / \sin C = c / \sin B$
 - B. $a / \sin A = b / \sin B = c / \sin C$
 - C. a / sinC = b / sinA = c / sinB
 - D. b / sinA = a / sinB = c / sinC
- 64. Two sets of compound trigonometric relationships show how to add and subtract two different angles and multiples of the same angle. The following are some of the most common relationships.
 - A. $sin(A\pm B) = cos(A)cos(B)\pm sin(A)sin(B)$
 - B. $cos(A\pm B) = sin(A)cos(B)\pm cos(A)sin(B)$
 - C. $sin(A\pm B) = sin(A)cos(B)\pm cos(A)sin(B)$
 - D. $cos(A\pm B) = cosA)sin(B)\pm sin(A)cos(B)$
- 65. The relationships that integrate angles with the perimeter of a triangle.
 - A. S = 1 / 2(a + b + c)
 - B. S = 1 / 2(a b c)
 - C. S = 1 / 2(a + b c)
 - D. S = 1 / 2(a b + c)
- 66. To interpolate linearly between two values V0 and V1, we use the following interpolant

 - B. V(t)=V(1-t)-V(1) for $0 \le t \le 1$
 - C. V(t)=V(0)+V(1)+V(1) for $0 \le t \le 1$

D. V	$(t)=V0(1-t)+V1t$ for $0 \le t \le 1$

- 67. A B-spline is constructed from a string of curve segments whose geometry is determined by a group of local control points. These curves are known as ____
 - A. Inverse polynomials
 - B. Piecewise polynomials
 - C. Integrated polynomials
 - D. Projected polynomials
- 68. Intersecting lines and parallel lines that give rise Second intercept theorem .
 - A. a / b = c / d
 - B. a / d = c / b
 - C. b / a = d / c
 - D. d/c = b/a
- 69. When all three medians are drawn, they intersect at a common point, which is also the triangle's.
 - A. Center of triangle
 - B. Center of diagonal
 - C. Center of Gravity
 - D. Center of object
- 70. An equilateral triangle has three equal sides of length l and equal angles of 60°. The triangle's altitude is.
 - A. $h = \sqrt{3} / 2 / 1$
 - B. $h = \sqrt{3} / 2 * 1$
 - C. $h = \sqrt{2} / 3 * 1$
 - D. $h = \sqrt{2} / 3 / 1$
- 71. A right triangle with its obligatory right angle. The triangle's area is
 - A. A = 1 / 2 * a / b
 - B. A = 1 / 2 * a b
 - C. A = 1 / 2 * a + b
 - D. A = 1 / 2 * a * b
- 72. Quadrilaterals are those whose interior angles sum to _____
 - A. 180
 - B. 90
 - C. 270
 - D. 360

73. A parallelogram is formed from two pairs of intersecting parallel lines, so it has equal
opposite sides and equal opposite angles. The altitude of parallelogram is given as.
A. $h = b \cdot \cot \alpha$
B. $h = b \cdot \tan \alpha$
C. $h = b \cdot \sin \alpha$
D. $h = b \cdot \cos \alpha$
74. A rhombus, which is a parallelogram with four sides of equal length its area is given by
A. $A = a^2 \sin(\alpha)$
B. $A = a^2 \cos(\alpha)$
C. $A = a^2 \tan(\alpha)$
D. $A = a^2 \cot(\alpha)$
75. The general form of the equation of a plane is expressed as .
A. Ax - By + Cz + D = 0
B. Ax + By - Cz + D = 0
C. Ax + By + Cz + D = 0
D. Ax - By + Cz - D = 0
76. COM is abbreviated as .
A. Common object model
B. Component object model
C. Cartisian object model
D. Curve object model
77. One use for 2D textures is to store
A. 2D Pixel Data
B. 2D Coordinate data
C. 2D Object Data
D. 2D Image Data
78. Each element in the texture stores the of a pixel
A. Intensity
B. Position
C. Color
D. Shades
79. To avoid flickering in animation, it is best to draw an entire frame of animation into an
off screen texture called .
A. Front Buffer

B. Back Buffer C. Memory Buffer D. Virtual Buffer 80. Swapping the roles of the back and front buffers is called A. Presenting B. Displaying C. Representing D. Redirecting 81. More than two buffers can be employed; using three buffers is called. A. Tri Buffering B. 3 Buffering C. Triple Buffering D. Third Buffering 82. There is a one-to-one correspondence between each element in the depth buffer and each pixel in the. A. Front Buffer B. Back Buffer C. Right Buffer D. Left Buffer 83. To handle the depth problem, one might suggest drawing the objects in the scene in the order of. A. Nearest to Farthest B. Nearest to Nearest C. Farthest to Farthest D. Farthest to Nearest 84. In order for Direct3D to determine which pixels of an object are in front of another, it uses a technique called. A. Front Buffer B. Back Buffer C. Z-Buffer D. B-Buffer

85. The technique making the back buffer and depth buffer 4X bigger than the screen

resolution is called.

A. Multisampling

	B.	Supersampling
	C.	Smoothsampling
	D.	Mixedsampling
86.	The	e number of quality levels for the given combination will be returned through.
	A.	PNumQualityLevels
	B.	PnumQualityLevels
	C.	pNumqualityLevels
	D.	pNumQualityLevels
87.	str	ucture needs to be filled Which out for both the swap chain buffers and the depth
	buf	fer.
	A.	DXGI_SAMPLE_DES
	B.	DXGI_SAMPLE_DESC
	C.	DXG_SAMPLE_DESC
	D.	DXGI_SAMPLE_DESCD
88.	The	e application would check feature level support from newest to oldest
	A.	Oldest to Newest
	B.	Oldest to Oldest
	C.	Newest to Oldest
	D.	Newest to Newest
89.	Dis	play adapter we want the create device to represent specify by.
	A.	pAdapter
	B.	Padapter
	C.	pADAPTER
	D.	PAdap
90.	Cre	eates a software driver used to emulate 3D hardware we can use.
	A.	2D_DRIVER_TYPE_SOFTWARE
	В.	3D_DRIVER_TYPE_SOFTWARE
	C.	2D_Driver_Type_Software
	D.	3D_Driver_Type_Software
91.	То	create the render target view, we use
	A.	ID3D11Device::createrendertargetview method
	В.	ID2D11Device::CreateRenderTargetView
	C.	ID2D11Device::createrendertargetview

 $D.\ ID3D11Device:: CreateRenderTargetView$

92.	2. We like to draw the 3D scene to the entire back buffer. However, sometimes we only		
	wan	t to draw the 3D scene into a subrectangle of the back buffer, The subrectangle of the	
	back	k buffer we draw into is called the	
	A.	View	
	B.	Window	
	C.	Viewport	
	D.	Windowport	
93.	Frar	me Statistics is common for games and graphics applications to measure the number	
	of_	·	
	A.	Frames being rendered per second	
	B.	Image being rendered per second	
	C.	Frame being process per second	
	D.	Image being process per second	
94.	GPU	J performing rendering operation and time CPU coninue with other task such	
	opei	rations are called	
	A.	Synchronous operations	
	B.	Asynchronous operations	
	C.	time operations	
	D.	geometric transformation	
95.		is the interface to OpenGL	
	A.	vertex shader	
	B.	Hardware Abstraction Layer(HAL)	
	C.	Domain shader	
	D.	GPU	
96.		has the front and back image buffers	
	A.	SRAM	
	B.	DRAM	
	C.	VRAM	
	D.	V3DRAM	
97.	CPU	J has latency while GPU has latency	
	A.	low,high	
	B.	high,low	
	C.	low,low	
	D.	high,high	

98	allows manipulation of geometry and pixel color.
A.	GPU
В.	render
C.	shader
D.	buffer
99. Ren	dering pipeline includestages
A.	10
В.	5
C.	6
D.	7
100. A_	_ contains vector that stands for varying slopes at various locations on an objects
surfa	ce
A.	vector map
В.	texture map
C.	bump map
D.	depth buffer
101. A B	ezeir curve is a line or path used to create.
A.	simple graphics
B.	vector graphics
C.	complex graphics
D.	line graphics
102. Line	ear interpolation is a method uses
A.	polynomial
В.	linear polynomials
C.	external polynomial
D.	matrix
103. The	output-merger (OM) stage generates the final rendered pixel color using a
comb	ination of
A.	pipeline state
В.	render
C.	pixels
D.	vectors
104. Tex	ture mapping originally referred to
A.	diffuse mapping

B. light mapping	
C. line mapping	
D. object mapping	
105. The pixel-shader stage (PS) enables rich shading techniques such as and and and and and and	nd
post-processing	
A. Per-pixel diffusing	
B. per-pixel lighting	
C. lighting	
D. vectors	
106. The compute shader technology is also known as the technology.	
A. DirectX	
B. GPU	
C. DirectCompute	
D. Shading	
107. A generates equal spacing between the interpolated values	
for equal changes in the interpolating parameter.	
A. linear interpolant	
B. Non-Linear Interpolation	
C. Cubic Interpolation	
D. Trigonometric Interpolation	
108. The implies that the curve is always contained within the polygon	
connecting the end and control points.	
A. end slopes	
B. convex hull property	
C. control vertex	
D. start point	
109. Which language is used by Unity for scripting?	
A. C	
B. C++	
C. C@	
D. C#	
110. AR Stands for	
A. Another reality	
B. All reality	

	D. Apex reality
111	. Apply distance to objects in the physical world to rendered 3D content, which achieves a
	realistic blending of physical and virtual objects.
	A. Occlusion
	B. AR
	C. VR
	D. Distancing
112	. Unity helps to simulate physics in Project to ensure that the objects correctly accelerate
	and respond to collisions and
	A. Images
	B. space
	C. color
	D. gravity
113	. Graphic objects in 2D are known as
	A. Model
	B. Sprites
	C. Player
	D. Character
114	In mode, the sorting distance of a Renderer is the direct distance of the Renderer
	from the Camera.
	A. s position
	B. Perspective
	C. Orthographic
	D. 2D 3D
115	. By default, a Sprite's Sort Point is set to its
	A. end
	B. Center
	C. start
	D. midpoint
116	. A render pipeline performs a series of operations that take the contents of a
	A. Images
	B. Scene
	C. surface

C. Augmented Reality

D. light
117. The application combines its own environment with the user's real-world environment
and allows them to interact with each other.
A. Augmented Reality
B. Virtual reality
C. reality
D. Mixed Reality
118. What is the most important component of Unity?
A. Toolbar
B. Hierarchy
C. Scene view
D. Transform
119. The most powerful part of Unity
A. Unity Asset Store
B. Controller
C. Container
D. Methods
120. Which of the following is used to read a HTML page and render it?
A. Web browser
B. Web server
C. server
D. Browser
121. Position of object can't be change directly from?
A. Assets
B. Transform
C. Axes
D. Diffusion
122. When the behavior becomes disable or inactive which function is used
A. OnDisable
B. OnApplicatonQuit
C. OnApplicationPause
D. OnDestroy
123 is the technology that allows Directx to be programming language independent &
have backward compatibility.

A. Computer object model
B. Composite object model
C. Component object model
D. Complier object model
124 is generally used to control transparency.
A. Color channel
B. Alpha channel
C. B/W channel
D. Beta channel
125 formats are used to reserve memory & then specify how to reinterpret the data at
a later time when the texture is bound to the pipeline.
A. TYPE
B. SINT
C. UNORM
D. TYPELESS
126. Swapping the roles of the back & front buffer is called
A. Presenting
B. Buffering
C. Swap chain
D. Depth Buffering
127. The possible depth values range from 0.0 to 1.0, where 0.0 denotes the an object
can be to the viewer.
A. visible
B. farthest
C. closest
D. invisible
128 techniques works by making the back buffer & depth buffer 4X bigger than the
screen resolution.
A. Sampling
B. Supersampling
C. Subsampling
D. Multisampling
129 stage reads geometric data from memory & uses it to assemble geometric
primitives.

	A.	Vertex shader stage
	B.	Tessellator stage
	C.	Output merger stage
	D.	Input assembler stage
130.	Α_	is a unit vector that describes the direction a polygon is facing.
	A.	Unit normal
	B.	Face normal
	C.	Surface normal
	D.	Normal vectors
131.	A_	is a unit vector that is orthogonal to the tangent plane of a point on a surface.
	A.	Unit normal
	B.	Face normal
	C.	Surface normal
	D.	Normal vectors
132.	Inte	erpolating the normal & doing lighting calculations per pixel is called
	A.	Pixel lighting
	B.	Vertex normal
	C.	Vertex lighting
	D.	surface normal
133.		is a way of changing one number into another.
	A.	vector
	B.	scalar
	C.	interpolant
	D.	non-interpolant
134.		generates equal spacing between interpolated values for equal changes in the
	inte	erpolating parameters.
	A.	non-interpolantion
	B.	linear interpolantion
	C.	trigonometric
	D.	interpolantion
135.		ensures that equal steps in the parameter t give rise to unequal steps in
	inte	erpolated values.
	A.	interpolant
	B.	non-interpolant

D. scalar
136. Two cubic interpolants are represented as
A. $V1 + V2 = 1$
B. $V1 - V2 = 1$
C. $V1 * V2 = 1$
D. $V1 / V2 = 1$
137. Linear Interpolation is represented as
A. $n = n1(1 - t) - n2t$
B. $n = n1(1+t) - n2t$
C. $n = n1(1 - t) + n2t$
D. $n = n1(1 + t) + n2t$
138. The is used in art and architecture to represent an ideal ratio for height and width
of an object.
A. center of gravity
B. first intercept
C. bezier curve
D. golden section
139. The Golden section is given as
A. $height = 0.618 + width$
B. height = $0.618 * width$
C. width = $0.618 * height$
D. width = $0.618 + \text{height}$
140. The center of gravity divides all the medians in the ratio
A. 2:1
B. 1:2
C. 2:3
D. 3:2
141. Thales theorem states that the right angle of a right triangle lies on the
A. chord
B. circumference
C. circumcircle over the hypotenuse
D. circumcircle over any side of the triangle
142. The height of parallelogram is given as

C. vector

A. $n = b / \sin \alpha$
B. $h = b \sin \alpha$
C. $h = b \cos \alpha$
D. $h = b / \cos \alpha$
143. An annulus is the area between
A. two concentric circles
B. circumference and center
C. sector and segment
D. chord and center
144. In space partitioning, if we substitute another point (x1, y1) which is in the direction of
the normal vector, it will create following inequality:
A. $ax1 + by2 - d > = 0$
B. $ax1 + by2 - d > 0$
C. $ax1 + by2 - d < 0$
D. $ax1 + by2 - d < = 0$
145. In mathematical interpretation of intersection points, if denominator is 0 then the
equations are
A. linearly dependent indicating no intersection
B. linearly independent indicating no intersection
C. linearly dependent indicating intersection
D. linearly independent indicating intersection
146. If the area of triangle (P1, P2, Pt) is positive, Pt must be to of the line (P1, P2).
A. above
B. right
C. left
D. below
147. We can determine whether a point is inside, touching or outside a triangle by representing
the
A. triangle's angles in the Hessian normal form
B. triangle's angles in space partitioning
C. triangle's edges in space partitioning
D. triangle's edges in the Hessian normal form
148. The projection of r on s vector is given as
A. $r \cos \theta$

	В.	$r \sin \theta$
	C.	$ \mathbf{r} \cos\theta$
	D.	$ \mathbf{r} \sin\theta$
149	. Res	sultant a x b is a vector that is to a & b.
	A.	parallel
	B.	perpendicular
	C.	unique
	D.	similar
150	.Th	e determinant is a function which inputs and outputs
	A.	real number, square matrix
	B.	square matrix, real number
	C.	real number, identity matrix
	D.	identity matrix, real number