Andhra Pradesh State Council of Higher Education

Notations:

Change Background Color:

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1.Options shown in green color and with ✓ icon are correct.

2.Options shown in red color and with **x** icon are incorrect.

Question Paper Name :	Computer Science and Engineering 20th
	June 2023 Shift 1
Duration :	180
Total Marks :	200
Display Marks:	No
Share Answer Key With Delivery Engine :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required?:	No
Eraser Required?:	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required?:	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter:	No
Auto Save on Console?	Yes
Change Font Color :	No

No

No

No

No

Show Progress Bar: No

Is this Group for Examiner?: No

Examiner permission : Cant View

Show Progress Bar?: No

Mathematics

Section Id: 418099368

Section Number: 1

Mandatory or Optional: Mandatory

Number of Questions: 50

Section Marks: 50

Enable Mark as Answered Mark for Review and

Yes Clear Response:

Maximum Instruction Time: 0

Is Section Default?: null

Question Number: 1 Question Id: 41809918403 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If
$$\Delta = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 1+x & 1 \\ 1 & 1+y \end{bmatrix}$$
 for $x\neq 0$ and $y\neq 0$, then Δ is

Options:

Divisible by x but not y

Divisible by y but not x

Divisible by neither x nor y

4. *

Question Number : 2 Question Id : 41809918404 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If
$$x^a y^b = e^m$$
 and $x^c y^d = e^n$, $\Delta_1 = \begin{vmatrix} m & b \\ n & d \end{vmatrix}$, $\Delta_2 = \begin{vmatrix} a & m \\ c & n \end{vmatrix}$ and $\Delta_3 = \begin{vmatrix} a & b \\ c & d \end{vmatrix}$

Then the values of x and y are

Options:

1. *
$$\frac{\Delta_1}{\Delta_3} \ and \ \frac{\Delta_2}{\Delta_3}$$

2. *
$$\frac{\Delta_2}{\Delta_1}$$
 and $\frac{\Delta_3}{\Delta_1}$

$$\log\left(\frac{\Delta_1}{\Delta_3}\right) and \ \log\left(\frac{\Delta_2}{\Delta_3}\right)$$

$$_{\Delta} \checkmark e^{\left(\frac{\Delta_{1}}{\Delta_{3}}\right)}$$
 and $e^{\left(\frac{\Delta_{2}}{\Delta_{3}}\right)}$

Question Number: 3 Question Id: 41809918405 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction

Time: 0

If
$$A = \begin{bmatrix} 0 & 1 & 2 \\ 1 & 2 & 3 \\ 3 & a & 1 \end{bmatrix}$$
 and $A^{-1} = \begin{bmatrix} 1/2 & 1/2 & 1/2 \\ -4 & 3 & c \\ 5/2 & -3/2 & 1/2 \end{bmatrix}$ then the values of

a and c are equal to

Options:

$$2. \checkmark 1 \text{ and } -1$$

Question Number: 4 Question Id: 41809918406 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If
$$adj B = A$$
, $|P| = |Q| = 1$ then $adj(Q^{-1}BP^{-1})$ is

Question Number : 5 Question Id : 41809918407 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The value of
$$x$$
 if the matrix $A = \begin{bmatrix} 0 & 2y & z \\ x & y & -z \\ x & -y & z \end{bmatrix}$ satisfies the equation $A^{T}A = I$

Options:

$$1. \checkmark \qquad \pm \frac{1}{\sqrt{2}}$$

$$\pm \frac{1}{\sqrt{3}}$$

$$\pm \frac{1}{\sqrt{6}}$$

$$\pm \frac{1}{2\sqrt{2}}$$

Question Number : 6 Question Id : 41809918408 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If
$$\frac{(x+1)}{(x-a)(x-3)} = \frac{2}{x-a} + \frac{b}{x-3}$$
 then $(a,b) =$

Options:

Question Number: 7 Question Id: 41809918409 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If
$$\frac{(x+1)^2}{x^3+x} = \frac{A}{x} + \frac{Bx+C}{x^2+1}$$
, then $\sin^{-1}\left(\frac{A}{C}\right) =$

$$\frac{\pi}{2}$$

$$\frac{\pi}{3}$$

$$\frac{\pi}{4}$$

$$4. \checkmark \frac{\pi}{6}$$

Question Number: 8 Question Id: 41809918410 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If $4n\alpha = \pi$, then $\cot \alpha \cot 2\alpha \cot 3\alpha ... \cot (2n-1)\alpha$ is equal to

Options:

Question Number : 9 Question Id : 41809918411 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If
$$\frac{\tan 3A}{\tan A} = k$$
, then $\frac{\sin 3A}{\sin A}$ is equal to

$$\frac{2k}{k-1} , k \in R$$

$$\frac{2k}{k-1}$$
, $k \in [1/3, 3]$

$$\frac{2k}{k-1}, k \notin [1/3, 3]$$

$$\frac{k-1}{2k}$$
, $k \notin [1/3, 3]$

Question Number: 10 Question Id: 41809918412 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If two angles of a \triangle ABC are 45° and 60° then the ratio of smallest to greatest sides are

Options:

1.
$$\checkmark$$
 $(\sqrt{3}-1):1$

$$2. * \sqrt{3} : \sqrt{2}$$

3. *****
$$1:\sqrt{3}$$

Question Number: 11 Question Id: 41809918413 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction

Time: 0

If
$$\sin^{-1} x + \sin^{-1} y = \frac{2\pi}{3}$$
 then $\cos^{-1} x + \cos^{-1} y =$

Options:

$$\frac{2\pi}{3}$$

$$\frac{\pi}{3}$$

3.
$$\times$$
 $\frac{\pi}{6}$

Question Number : 12 Question Id : 41809918414 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The value of $\tan\{\sin^{-1}(\cos(\sin^{-1}x))\}$ $\tan\{\cos^{-1}(\sin(\cos^{-1}x))\}$, where

$$0 < x < \pi/2$$
, is equal to

4. * 2

Question Number: 13 Question Id: 41809918415 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If
$$0 \le x, y \le 2\pi$$
 and $\sin x + \sin y = 2$, then $x + y =$

Options:

$$\frac{\pi}{4}$$

Question Number: 14 Question Id: 41809918416 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If $\sec \alpha$ and $\csc \alpha$ are the roots of $x^2 - px + q = 0$, then

$$p^2 = q(q-2)$$

$$p^2 = q(q+2)$$

$$p^2 + q^2 = 2q$$

$$p^2 + q^2 = q$$

Question Number: 15 Question Id: 41809918417 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The value of
$$\cos\left(\frac{1}{2}\cos^{-1}\frac{1}{8}\right)$$
 is

$$\frac{3}{4}$$

$$\frac{3}{8}$$

$$\frac{1}{16}$$

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time: 0

If in $\triangle ABC$, sides a, b, c are in A.P., then

Options:

$$B = |A - C|$$

$$B = 90^{\circ}$$

Question Number: 17 Question Id: 41809918419 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

In
$$\triangle ABC$$
 if $b^2 + c^2 = 2a^2$, then the value of $\frac{\cot A}{\cot B + \cot C}$ is

$$\frac{1}{2}$$

$$\frac{3}{2}$$

$$\frac{5}{2}$$

$$\frac{5}{3}$$

Question Number: 18 Question Id: 41809918420 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

Given that
$$z = (1 + i\sqrt{3})^{100}$$
, then $\left(\frac{\text{Re}(z)}{\text{Im}(z)}\right) =$

Options:

$$\frac{1}{\sqrt{3}}$$

Question Number: 19 Question Id: 41809918421 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

Sum of the common roots of the equations

$$z^3 + 2z^2 + 2z + 1 = 0$$
 and $z^{1985} + z^{100} + 1 = 0$ is

Options:

- 2. * 1
- 3. **
- 4. **

Question Number : 20 Question Id : 41809918422 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Equation of the circle which passes through (1,0) and (0,1) and has its radius as small as possible is

$$x^2 + y^2 - x - y = 0$$

$$x^2 + y^2 = 1$$

$$2x^2 + 2y^2 - 3x - 3y + 1 = 0$$

$$x^2 + y^2 - 4x - 4y + 3 = 0$$

Question Number : 21 Question Id : 41809918423 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

The focal distance of the point (x, y) on the parabola $x^2 - 8x + 16y = 0$ is

Options:

Time: 0

3. *****
$$|x+5|$$

Question Number : 22 Question Id : 41809918424 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The area of the greatest rectangle that can be inscribed in the ellipse

$$\frac{x^2}{9} + \frac{y^2}{4} = 1$$
 is

- 8 sq. units
- 15 sq. units
- 4. ***** 4 sq.units

Question Number: 23 Question Id: 41809918425 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The eccentricity of the ellipse $16x^2 + 25y^2 = 400$ is

Options:

- 1. * 2/3
- 2. 🗸 3/5
- 3 * 4/3
- 4. * 1/5

Question Number: 24 Question Id: 41809918426 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The axes of an ellipse are coordinate axes, distance between directrices is 32.

Then the equation of the ellipse, if the distance between the foci is 8 is

Options:

$$\frac{x^2}{64} + \frac{y^2}{32} = 1$$

$$\frac{x^2}{64} + \frac{y^2}{16} = 1$$

$$\frac{x^2}{64} + \frac{y^2}{48} = 1$$

$$\frac{x^2}{64} + \frac{y^2}{8} = 1$$

Question Number: 25 Question Id: 41809918427 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The length of the transverse axis of the hyperbola $4x^2 - 9y^2 + 8x + 40 = 0$ is

4. 💥

Question Number : 26 Question Id : 41809918428 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If
$$f(x) = \frac{1}{3} \left(f(x+1) + \frac{5}{f(x+2)} \right)$$
 and $f(x) > 0$ then for all $x \in \mathbb{R}$, then for $x \to \infty$

Options:

$$\sqrt{\frac{2}{5}}$$

$$\sqrt{\frac{5}{2}}$$

Question Number: 27 Question Id: 41809918429 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If α and β are the roots of $ax^2 + bx + c = 0$ then $\begin{array}{c}
lt \\
x \to \alpha
\end{array}$ (1+ $ax^2 + bx + c$)^{1/(x- α)} is

Options:

1.
$$\alpha(\alpha-\beta)$$

$$\ln |a(\alpha - \beta)|$$

3.
$$\checkmark$$
 $e^{a(\alpha-\beta)}$

$$e^{|a(\alpha-\beta)|}$$

4. 🛚

Question Number : 28 Question Id : 41809918430 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The derivative of $\sin^{-1}\left(\frac{2x}{1+x^2}\right)$ with respect to $\tan^{-1}\left(\frac{2x}{1-x^2}\right)$

$$\frac{1}{1-x^2}$$

$$4. \times \frac{1}{1+x^2}$$

Question Number : 29 Question Id : 41809918431 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If
$$x^y \cdot y^x = 16$$
 then $\frac{dy}{dx}$ at (2,2) is

Options:

Question Number: 30 Question Id: 41809918432 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The area if the triangle formed by positive x - axis, and the normal and tangent to the circle $x^2 + y^2 = 4$ at $\left(1, \sqrt{3}\right)$ is

$$\sqrt{3}$$
 sq. units

$$2\sqrt{3}$$
 sq. units

3. *
$$4\sqrt{3}$$
 sq. units

$$\sqrt{3}/2$$
 sq. units

Question Number: 31 Question Id: 41809918433 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If
$$y = \log_{\sin x}$$
 (tan x) then $\left(\frac{dy}{dx}\right)_{\pi/4} =$

$$\frac{-4}{\log 2}$$

Question Number : 32 Question Id : 41809918434 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If there is an error of 0.05 cm in the side of a cube 10 cm, then the error in its surface area is

Options:

Question Number : 33 Question Id : 41809918435 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The curves
$$4x^2 + 9y^2 = 72$$
 and $x^2 - y^2 = 5$ at (3,2)

Options:

Touch each other

Cut orthogonally 2. ✓

Intersect at 45°

Intersect at 60 °

Question Number : 34 Question Id : 41809918436 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If
$$u = x^y$$
 then $\frac{\partial^2 u}{\partial x \partial y} =$

Options:

$$1. \checkmark x^{y-1} (1 + y \log x)$$

$$y^{x-1}(1+y\log x)$$

2. *

$$y^{x-1}(1-x\log y)$$

$$x^{y-1}(1-y\log x)$$

Question Number: 35 Question Id: 41809918437 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If
$$u = \tan^{-1}(y/x)$$
 then $x \frac{\partial u}{\partial x} + y \frac{\partial u}{\partial y} =$

Options:

1. 🗸 0

 $\sin 2u$

2. 💥

cos u

 $2 \tan^{-1} u$

Question Number: 36 Question Id: 41809918438 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If
$$\int f(x)\cos x \, dx = \frac{1}{2} [f(x)]^2 + c$$
 then $f(x) =$

Options:

1. *****

 $2. \checkmark \sin x$

3. \times cos x

tan x

4. 💥

Question Number : 37 Question Id : 41809918439 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The value of $\int_{0}^{11} [x]^3 dx$, where $[\bullet]$ denotes the greatest integer function, is

Options:

- 1. * 0
- 14400
- 2200
- 4. **✓** 3025

Question Number: 38 Question Id: 41809918440 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The triangle formed by tangent to the curve $f(x) = x^2 + bx - b$ at the point (1,1) and the coordinate axes lies in the first quadrant. If its area is 2 sq.units then the value of b is

Question Number: 39 Question Id: 41809918441 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If
$$y = \int \frac{dx}{(1+x^2)^{\frac{3}{2}}}$$
 and $y = 0$ when $x = 0$ then the value of y when $x = 1$ is

Options:

$$\frac{1}{\sqrt{2}}$$

2. *
$$\sqrt{2}$$

Question Number : 40 Question Id : 41809918442 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If
$$\int \frac{dx}{\cos^3 x \sqrt{\sin 2x}} = a(\tan^2 x + b)\sqrt{\tan x} + c$$
, then

Options:

$$a = \frac{\sqrt{2}}{5}$$
, $b = \frac{1}{\sqrt{5}}$

$$a = \frac{\sqrt{2}}{5}, b = 5$$

$$a = \frac{\sqrt{2}}{5}$$
, $b = -\frac{1}{\sqrt{5}}$

$$a = \frac{\sqrt{2}}{5}, b = \sqrt{5}$$

Question Number: 41 Question Id: 41809918443 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The value of $\int_{-1}^{1} tan^{-1} x \, dx$ is

$$\frac{\pi}{4}$$

$$3. \times \frac{\pi}{4}$$

$$\frac{\pi}{2}$$

Question Number: 42 Question Id: 41809918444 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If
$$S_n = \left[\frac{1}{1 + \sqrt{n}} + \frac{1}{2 + \sqrt{2n}} + \frac{1}{3 + \sqrt{3n}} + \dots + \frac{1}{n + \sqrt{n^2}} \right]$$
 then $\frac{lt}{n \to \infty}$ $S_n = \frac{1}{1 + \sqrt{n}} + \frac{1}{2 + \sqrt{2n}} + \frac{1}{3 + \sqrt{3n}} + \dots + \frac{1}{n + \sqrt{n^2}} + \dots + \frac{1}{n$

Options:

Question Number : 43 Question Id : 41809918445 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The volume of the solid generated by revolving the ellipse $\frac{x^2}{9} + \frac{y^2}{16} = 1$ about

the minor axis is _____ cubic units.

Options:

$$128 \pi$$

1. *

2. 💥

$$16 \pi$$

4. **

Question Number: 44 Question Id: 41809918446 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The differential equation of all parabolas whose axis are parallel to y-axis is

$$\int_{1.} \sqrt[4]{\frac{d^3y}{dx^3}} = 0$$

$$\frac{d^2y}{dx^2} = C$$

$$\frac{d^3y}{dx^3} + \frac{d^2y}{dx^2} = 0$$

$$\frac{d^2y}{dx^2} + 2\frac{dy}{dx} = C$$

Question Number : 45 Question Id : 41809918447 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Integrating factor of the differential equation $\cos x \frac{dy}{dx} + y \sin x = 1$ is

Options:

Question Number : 46 Question Id : 41809918448 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The differential equation associated with the primitive $ax^2 + by^2 = 1$ is

Options:

$$x = y \frac{dy}{dx}$$

$$x + y \frac{dy}{dx} = 0$$

$$x\left(\frac{dy}{dx}\right)^2 + xy\frac{d^2y}{dx^2} = y\frac{dy}{dx}$$

$$x = y \frac{d^2 y}{dx^2}$$

Question Number : 47 Question Id : 41809918449 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The primitive for the differential equation x dy - (y - x) dx = 0 is

$$\frac{x}{y} + \log|x| = C$$

$$\frac{y}{x} + \log|x| = C$$

$$\frac{x}{y}\log|x| = C$$

$$x^2 + y^2 = C$$

Question Number: 48 Question Id: 41809918450 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The degree of the differential equation $y = x \frac{dy}{dx} + \sqrt{1 + \left(\frac{dy}{dx}\right)^2}$

Options:

- 1. 🗱
- 2. 🗸
- 2 👐
- <u>⊿</u> 💥

Question Number : 49 Question Id : 41809918451 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The order of the differential equation corresponding to the primitive $y = ae^x + be^{2x} + ce^{3x}$ where a, b and c are arbitrary constants

Options:

1. *

4

4. **

Question Number : 50 Question Id : 41809918452 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The complimentary function of the differential equation

$$\frac{d^2y}{dx^2} + 4\frac{dy}{dx} + 4y = 4\cos x \text{ is}$$

Options:

$$y = c_1 \cos 2x + c_2 \sin 2x$$

$$y = (c_1 + c_2 x)e^{-2x}$$

$$y = c_1^2 + 4c_2 + 4c_3$$

$$y = 4\cos c_1 x$$

4. 💥

Physics

Section Id: 418099369

Section Number: 2

Mandatory or Optional: Mandatory

Number of Questions: 25

Section Marks: 25

Enable Mark as Answered Mark for Review and

Clear Response:

Maximum Instruction Time: 0

Is Section Default?: null

Question Number: 51 Question Id: 41809918453 Display Question Number: Yes Is Question

Yes

Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction

Time: 0

The dimension of the ratio of angular momentum and linear

momentum is

Options:

L⁰

2. 🗸 L¹

3. **x** L²

4. **

Question Number: 52 Question Id: 41809918454 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction

Time: 0

One Fermi is equivalent to

Options:

 10^{-12} meter

1. *

10¹² meter

10⁻¹⁵ meter

10¹⁵ meter

4. **

Question Number: 53 Question Id: 41809918455 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

A cat is situated at point A (0,3,4) and a rat is situated at point B (5,3,-8).

The cat is free to move but the rat is always at rest. Find the minimum

distance travelled by cat to catch the rat

5 units

1. 🗱

12 units

2. 🗱

13 units

17 units

4. 💥

Question Number : 54 Question Id : 41809918456 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Find the values of x and y for which vectors $\vec{A} = (6^{h}_{i} + x^{h}_{j} - 2^{h}_{k})$ and

 $\vec{b} = (5^{\wedge}_{i} - 6^{\wedge}_{j} - y^{\wedge}_{k})$ may be parallel

Options:

$$x=0, y=\frac{2}{3}$$

1. 🗱

$$x=-\frac{36}{5}, y=\frac{5}{3}$$

$$x = -\frac{15}{3}, y = \frac{23}{5}$$

3. 💥

$$x = \frac{36}{5}, y = \frac{15}{4}$$

4. 3

Question Number : 55 Question Id : 41809918457 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The velocity of a body moving along a straight line with uniform deceleration 'a' reduces by ¾ of its initial velocity. The total time of motion of the body is

Options:

zero

4. 💥

Question Number: 56 Question Id: 41809918458 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

A stone thrown vertically upwards with a speed of 'u' m/s attains a height 'h₁'. Another stone thrown vertically upwards from the same point with a speed of $\frac{u}{a}$ m/s attains a height 'h₂'. Choose the correct relation

Options:

$$h_2 = \frac{h_1}{9}$$

$$h_2 = \frac{h_1}{19}$$

$$h_2 = \frac{h_1}{3}$$

$$h_2=3h_1$$

4. **

Question Number : 57 Question Id : 41809918459 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The horizontal range of a projectile is $4\sqrt{3}$ times of its maximum height. Its angle of projection will be

2. *****

$$90^{0}$$
3. *****

$$45^{0}$$
4. *****

Question Number : 58 Question Id : 41809918460 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The range of a projectile fired at an angle of 15° is 30m. If it is fired with the same speed at an angle of 45°, its range will be

Options:

50m

30m

2. 💥

60m

100m

4. 💥

Question Number : 59 Question Id : 41809918461 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time: 0

When a body slides down an inclined plane with coefficient of friction as μ ,

then its acceleration is given by

Options:

$$g(\mu \sin \theta + \cos \theta)$$

$$g(\mu \sin \Theta - \cos \Theta)$$

2. 🗱

$$g(\sin \theta + \mu \cos \theta)$$
 3. *

$$g(\sin \Theta - \mu \cos \Theta)$$

Question Number: 60 Question Id: 41809918462 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

A body is in equilibrium on a rough inclined plane under its own weight. If the angle of inclination of the inclined plane is ' α ' and the angle of friction is ' λ ', then

Options:

$$\alpha > \lambda$$

1. *

$$\alpha > \lambda/2$$

$$\alpha = \lambda$$

$$\alpha \ge \lambda$$

4. *

Question Number: 61 Question Id: 41809918463 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

A ball of mass 1 kg collides with a wall with speed 8 ms⁻¹ and rebounds on the same line with the same speed. If mass of the wall is taken as infinite, the work done by the ball on the wall is

Options:

1. ¥ 6 J

8 J

9 J

3. 💥

zero

4. 🗸

Question Number : 62 Question Id : 41809918464 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A pump motor is used to deliver water at a certain rate from a given pipe.

To obtain thrice as much water from the same pipe in the same time, power

of the motor has to be increased

Options:

3 times

1. 💥

9 times

2. 🗱

27 times

3. 🖋

81 times

4. **

Question Number : 63 Question Id : 41809918465 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The energy required to accelerate a car from rest to 10 ms⁻¹ is E. What energy will be required to accelerate the car from 10 ms⁻¹ to 20 ms⁻¹?

Options:

E

Question Number: 64 Question Id: 41809918466 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The time period of a simple pendulum of infinite length is $(R_e = radius of earth)$

Options:

$$T = 2\pi \sqrt{\frac{R_e}{g}}$$

$$T = 2\pi \sqrt{\frac{2R_e}{g}}$$

$$T = 2\pi \sqrt{\frac{R_e}{2g}}$$

$$T=\infty$$

4. **

Question Number : 65 Question Id : 41809918467 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A particle executes SHM of amplitude 5 cm and period 3 s. The velocity of the particle at a distance 4 cm from the mean position (take $\pi = 3$) is

Options:

- 8 cm s⁻¹
- 12 cm s⁻¹
- 4 cm s⁻¹
- 6 cm s⁻¹

Question Number: 66 Question Id: 41809918468 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

A particle is executing SHM with amplitude α and has maximum velocity

'v'. Its speed at displacement $\alpha/2$ will be

```
v/2
2. **
       V
3. 💥
       v/4
4. **
Question Number: 67 Question Id: 41809918469 Display Question Number: Yes Is Question
Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction
Time: 0
  A whistle of frequency 1000 Hz is sounded on a car travelling towards a
  cliff with velocity of 18 \text{ m s}^{-1} normal to the cliff. If velocity of sound = 330
  m s-1, then the apparent frequency of the echo as heard by the car driver is
  nearly
Options:
       1115 Hz
       115 Hz
2. **
      67 Hz
      47.2 Hz
```

4. **

Question Number : 68 Question Id : 41809918470 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

An open window is a perfect

Options:

Reflector of sound

1. *

Absorber of sound 2. ✔

Scatterer 3. *

Refractor

4. **

Question Number : 69 Question Id : 41809918471 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A gas is found to obey P^2V = constant. The initial temperature and volume are T_0 & V_0 . If the gas expands to volume $2V_0$, then the final temperature is

1.
$$\checkmark$$
 $\sqrt{2} T_0$

$$\frac{T_0}{2}$$

$$\frac{T_0}{\sqrt{2}}$$

4. 3

Question Number: 70 Question Id: 41809918472 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The constant in ideal gas equation is known as

Options:

Universal gas constant

1. ❤

Pressure constant

2. **

Temperature constant

3. 💥

Boltzmann constant

4. 💥

Question Number : 71 Question Id : 41809918473 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The ratio of specific heats for a mono atomic gas is given by

Options:

1 *

 $\frac{5}{2}$

2. 🕯

3 🖋

 $\frac{9}{5}$

4. **

Question Number : 72 Question Id : 41809918474 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Two identical samples of a gas are allowed to expand (i) isothermally (ii) adiabatically. Work done is

Options:

More in the adiabatic process

```
More in the isothermal process
2. 🗸
       Equal in both processes
3. 🗱
      No Work done in any process
4. **
Question Number: 73 Question Id: 41809918475 Display Question Number: Yes Is Question
Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction
Time: 0
  The heat required to raise 0.5 Kg of sand from 30°C to 90 °C is given by
  (Specific Heat of sand = 830 J/Kg °C)
Options:
      23450J
1. ×
      54560J
2. **
      4578J
3. **
       24900J
```

4. 🗸

Question Number : 74 Question Id : 41809918476 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A ray of light will undergo total internal reflection if it

Options:

Travels from denser medium to rarer medium & angle of incidence should

be greater than critical angle

Travels from rarer medium to denser medium & angle of incidence should

be greater than critical angle

Travels from denser medium to rarer medium & angle of incidence should

be less than critical angle

Travels from rarer medium to denser medium& angle of incidence should

be less than critical angle

4. 💥

Question Number : 75 Question Id : 41809918477 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The expulsion of a magnetic field from the interior of a superconductor, a phenomenon is known as

Options: Isotopic effect 1. 🗯 BCS theory 2. ** Meissner effect 3. 🗸 London theory 4. 💥 **Chemistry** Section Id: 418099370 **Section Number: Mandatory or Optional:** Mandatory **Number of Questions:** 25 **Section Marks:** 25 **Enable Mark as Answered Mark for Review and** Yes **Clear Response: Maximum Instruction Time:** 0 Is Section Default?: null Question Number: 76 Question Id: 41809918478 Display Question Number: Yes Is Question

Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

How many electrons in an atom may have the quantum numbers, n=4,
m = -1/2 ?
Options :
1. * 1
2. * ²
3. ✓ 16
4. * 32
Question Number : 77 Question Id : 41809918479 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Balmer series of Hydrogen atom corresponds to which spectral region?
Options :
X-ray region 1. **
Ultraviolet region 2. *
Infrared region 3. **
4. Visible region

Question Number : 78 Question Id : 41809918480 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The electronic configuration of the Cu atom violates which principle?

Options:

- 1. Hund's rule
 - Pauli Exclusion Principle

2. 💥

- Aufbau Principle
- Heisenberg's Uncertainty Principle 4. ■

Question Number : 79 Question Id : 41809918481 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

As compared to covalent compounds, ionic compounds generally have:

- low melting points and low boiling points
- high melting points and high boiling points
- low melting points and high boiling points

high melting points and low boiling points

Question Number: 80 Question Id: 41809918482 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The octet rule is not valid for the molecule:

Options:

4. 💥

1. ***** CO₂

H₂O

O₂

4. 🗸 CO

Question Number : 81 Question Id : 41809918483 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Two solutions of a substance (non-electrolyte) are mixed in the following manner: 480 mL of 1.5 M first solution, 520 mL of 1.2 M second solution.

What is the molarity of the final mixture?

```
1.20 M
```

Question Number: 82 Question Id: 41809918484 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The equivalent mass of H₃PO₄ in the following equation (let M be the mass of H₃PO₄):

$$H_3PO_4 + Ca(OH)_2 \rightarrow CaHPO_4 + 2H_2O$$

Question Number: 83 Question Id: 41809918485 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The normality of 4% (mass/volume) NaOH solution is

Options:

0.1 N

2. **1.0** N

0.5 N

4. × 0.01 N

Question Number: 84 Question Id: 41809918486 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

Which of the following cannot function as both Bronsted acid and base?

Options:

HCl

NH₃

3. ***** HSO₄

HCO₃

4. 💥

Question Number: 85 Question Id: 41809918487 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction

Time: 0

Which of the following will make a basic buffer?

Options:

Question Number: 86 Question Id: 41809918488 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

Hydrogen gas is not liberated when the following metal is added to dil. HCl.

Question Number: 87 Question Id: 41809918489 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The reduction potential of hydrogen half-cell will be negative if:

Options:

$$p(H_2) = 1$$
 atm and $[H^+] = 1$ M

$$p(H_2) = 2 \text{ atm and } [H^+] = 2 M$$

$$p(H_2) = 1$$
 atm and $[H^+] = 2$ M

$$p(H_2) = 2$$
 atm and $[H^+] = 1$ M

Question Number : 88 Question Id : 41809918490 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

3 faraday of electricity are passed through molten Al₂O₃, aqueous solution of CuSO₄ and molten NaCl taken in three different electrolytic cells. The amount of Al, Cu and Na deposited at the cathodes will be in the ratio of:

Options:

- 1 mole : 2 mole : 3mole
- 3 mole : 2 mole : 1 mole
- 1.5 mole : 2 mole : 3 mole
- 1 mole : 1.5 mole : 3 mole

Question Number: 89 Question Id: 41809918491 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

What is the EMF of cell represented as Zn(s) / $Zn^{2+}(Aq) \parallel H^{+}(1M)$

$$/H_2(1atm)$$
 if $E^0_{Zn2+/Zn} = -0.7618$ V

Options:

2. **

+0.540 V

Question Number: 90 Question Id: 41809918492 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

In Ion-exchanger, the exhausted cation exchange resin can be regenerated by washing with:

Options:

- dil. NaOH
- 2. ✓ dil. HCl
- Distilled water
- Brakish water

Question Number: 91 Question Id: 41809918493 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

Which of the following is powerful disinfectant?

Options:

O₂

CaOCl₂

4. 💥

Question Number: 92 Question Id: 41809918494 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

A sample of water contain temporary hardness of 56.8 mg/L. Express the temporary hardness in terms of e (Clark degrees)

Options:

Question Number : 93 Question Id : 41809918495 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time: 0

Tinning is done by: Options: Electroplating Spraying Hot dipping Cementation 4. 💥 Question Number: 94 Question Id: 41809918496 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0 If the oxygen supply is limited during the rusting of iron, corrosion product is: Options: Fe₂O₃ 1. * Fe₂O₃. xH₂O 3. **¥** Fe₂O₃, 2H₂O Fe₃O₄

Question Number: 95 Question Id: 41809918497 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

Buna-N rubber is made from:

Options:

- Butadiene and formaldehyde

 1. **
- Isoprene and Phenol
- Butadiene and acrylonitrile
- Phenol and styrene

Question Number : 96 Question Id : 41809918498 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A good example of condensation polymer is:

- Teflon
- Polythene

```
3. Bakelite
     Polypropylene
Question Number: 97 Question Id: 41809918499 Display Question Number: Yes Is Question
Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction
Time: 0
 Vulcanisation of rubber is mainly by the addition of:
Options:
     Oxygen gas
     Magnesium oxide
2. 🗯
3. V Sulphur
     Zinc oxide
Question Number: 98 Question Id: 41809918500 Display Question Number: Yes Is Question
Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction
Time: 0
During the refining of petroleum, which of the following is used to remove
sulphur impurity:
```

Copper Oxide 1. 🗸 Copper Sulphide Magnesium chloride Magnesium sulphate 4. ** Question Number: 99 Question Id: 41809918501 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0 Which of the oxide of nitrogen is not a common pollutant? **Options:** N₂O₅ 2. * N₂O NO 3. 🛎 4. × NO₂

Question Number : 100 Question Id : 41809918502 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time: 0			
DDT is:			
Options:			
Nitrogen containing insecticide 1. **			
Biodegradable pollutant 2. **			
Non-Biodegradable pollutant 3. ✓			
An antibiotic 4. **			
Computer Science and Engineering			
Section Id:	418099371		
Section Number :	4		
Mandatory or Optional :	Mandatory		
Number of Questions :	100		
Section Marks :	100		
Enable Mark as Answered Mark for Review and Clear Response:	Yes		

Question Number: 101 Question Id: 41809918503 Display Question Number: Yes Is Question

0

null

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time: 0

Maximum Instruction Time:

Is Section Default?:

Assume that all the numbers are represented in 2's complement, then which of the following is divisible by 11111011?

Options:

11100100

11100111

2. 🗸

11010111 3. **×**

11011011

4. 💥

Question Number: 102 Question Id: 41809918504 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

If $(73)_x = (54)_y$ in a number system then the possible values of x and y are

Options:

8,11

8,16

2. 🗱

10,12

3. **

```
9,13
```

Question Number : 103 Question Id : 41809918505 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

_____Number of states ring counter with 5 flipflops will have?

Options:

10

1. 💥

15

2. 💥

ર 🥒 ీ

32

4. **

Question Number : 104 Question Id : 41809918506 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

n-bit 2's complement number system range for integers is

1. 🗸

$$-(2^{n-1}-1)$$
 to $(2^{n-1}-1)$

2. 💥

3. 🗱

$$-(2^{n-1}+1)$$
 to $(2^{n-1}-1)$

4. *

Question Number: 105 Question Id: 41809918507 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

Which of the following are Universal Gates

Options:

NAND, NOR

X-OR, X-NOR

2. 🗶

NAND, X-OR

3. 💥

```
AND, OR
```

4. 💥

Question Number: 106 Question Id: 41809918508 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

The Fastest Logic Family Gate is

Options:

1. ✓ ECL

CMOS

2. **

TTL

3. **

FTL

4. 32

Question Number: 107 Question Id: 41809918509 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

How many 4 x 1 multiplexers are required to design 8 x 1 multiplexer?

```
2
1. 🗸
      3
2. 💥
       5
3. **
       8
4. **
Question Number: 108 Question Id: 41809918510 Display Question Number: Yes Is Question
Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction
Time: 0
  Which Flip Flop is free from race around problem
Options:
      RS Flip Flop
1. **
      SR Flip Flop
2. 💥
      JK Flip Flop
3. 💥
```

	Master Slave JK Flip Flop
4. 🗸	
Ques	tion Number : 109 Question Id : 41809918511 Display Question Number : Yes Is Question
Mano	datory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time	:0
In _	subnet each packet is routed independently to reach the
dest	tination address.
Optio	ons:
	Circuit
1. 🕊	
2. 🗸	Datagram
3. 🗶	Virtual Circuit
4	Static
4. 💥	

Question Number: 110 Question Id: 41809918512 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

File lock is a reader lock in which several processes can
acquire the lock concurrently.
Options :
Shared 1. ✓
Mandatory 2. ☀
Exclusive 3. *
Access Rights
4. *
Question Number: 111 Question Id: 41809918513 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0 Increasing the RAM of a Computer typically improves performance, because
Options:
Virtual Memory increases 1. **
2. ✔

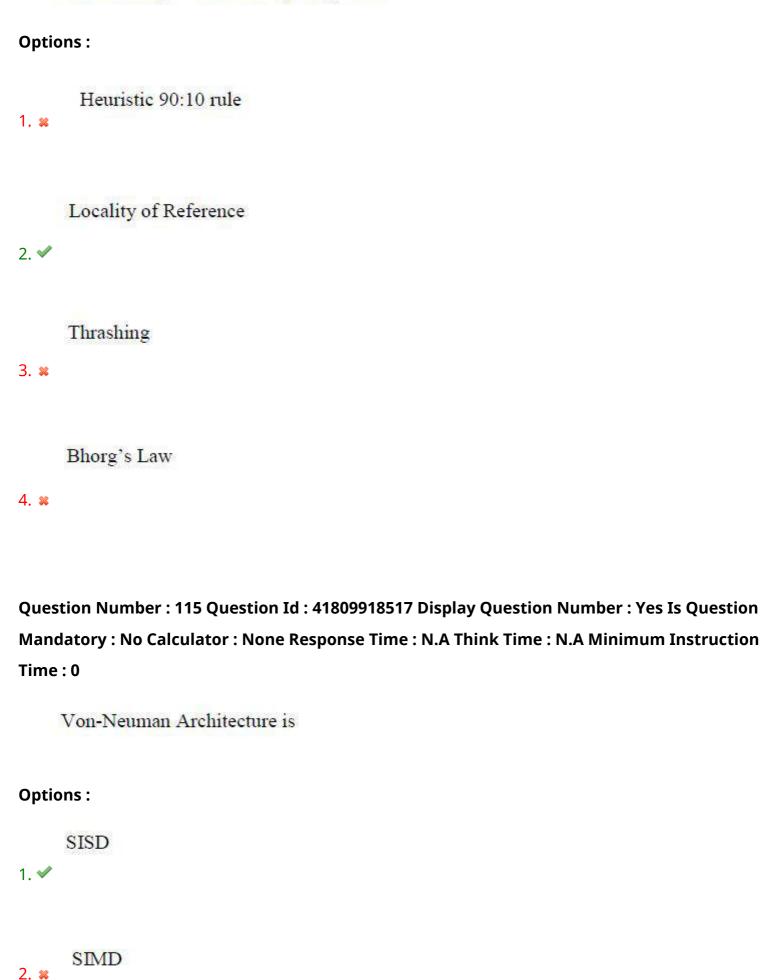
```
Fewer page faults occur
      Larger RAM are faster
3. **
      Fewer Segmentation faults occur
4. 💥
Question Number: 112 Question Id: 41809918514 Display Question Number: Yes Is Question
Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction
Time: 0
  The Address generated by the CPU is
Options:
       Physical Address
1. 32
      Logical Address
2. 🗸
       Absolute Address
3. 💥
4. 💥
```

T T 1	1 1	Characteristics
Virtual	add	ress

	on Number : 113 Question Id : 41809918515 Display Question Number : Yes Is Question tory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time : 0	
A	Γime Sharing System has
Options	s:
1. *	More than one processor in the system
2. *	More than one memory in the system
	More than one program in system
3. 🗱	
N	More than one task at a time, each task getting same amount of time to execute
4. 🗸	

Question Number: 114 Question Id: 41809918516 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

Cache Memory works on the principle of



```
MISD
3. **
     MIMD
4. **
Question Number: 116 Question Id: 41809918518 Display Question Number: Yes Is Question
Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction
Time: 0
A stack-Organized computer uses instruction of
Options:
      Indirect Addressing
1. 💥
      Two Addressing
2. **
       One Addressing
3. **
       Zero Addressing
4. 🗸
```

Question Number: 117 Question Id: 41809918519 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

	ons:				
1. 🕊	INTR				
2. 💥	RST 6.5				
3. **	RST 7.5				
	TRAP				
4. 🗸					
Mano	Question Number : 118 Question Id : 41809918520 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0				
Pip					
	pelining increases of the Processor				
Optio					
Optio					

```
Throughput
3. 🗸
      Latency
4. **
Question Number: 119 Question Id: 41809918521 Display Question Number: Yes Is Question
Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction
Time: 0
  8085 micro-processor has ______ bit ALU
Options:
     4
1. 38
     8
2. 🗸
      16
3. **
      32
4. **
```

Question Number : 120 Question Id : 41809918522 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Options: AX: Accumulator 1. 💥 BX: Base Register 2. ** SP: Stack Pointer 3. 💥 AS: Address Segment 4. 🗸 Question Number: 121 Question Id: 41809918523 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0 Phase chooses the Data Structure Suitable for the application Options: Procedural Design 1. 🗱

2. 🗸

Which of the following is not an 8086 general purpose register?

```
Data Design
      Architectural Design
3. 🗱
     Module Design
4. **
Question Number: 122 Question Id: 41809918524 Display Question Number: Yes Is Question
Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction
Time: 0
 Design Phase usually follows
Options:
      Top-Down
     Bottom-Up
2. 💥
     Random
3. 💥
```

End-End

4. 💥

Question Number: 123 Question Id: 41809918525 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0 What is the major drawback of the Spiral Model? **Options:** Higher amount of risk analysis 1. ** Strong approval and documentation control 2. 💥 Doesn't work well for smaller projects 3. 🗸 Additional functionalities are added later on 4. ** Question Number: 124 Question Id: 41809918526 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0 In Software Engineering, "Are we building the product right?" statement refers to

Options:

1. **

	dation
2. 🗸	Verification
3. 🗶	Confirmation
4. 🕊	Justification
	stion Number : 125 Question Id : 41809918527 Display Question Number : Yes Is Question datory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction : 0
Man Time	datory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Man Time	datory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction: 0 oftware Design objective should be
Man Time	datory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction: 0 oftware Design objective should be
Man Time So Optic	datory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction: 0 oftware Design objective should be ons:

3. 💥

4. 💥

Question Number: 126 Question Id: 41809918528 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

In Capability Maturity Model, which one of the following is not a maturity

level?

Options:

Initial

1. 💥

Measurable

2. 🗸

Repeatable

3. 💥

Optimized

4. **

Question Number : 127 Question Id : 41809918529 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Communicational Cohesion

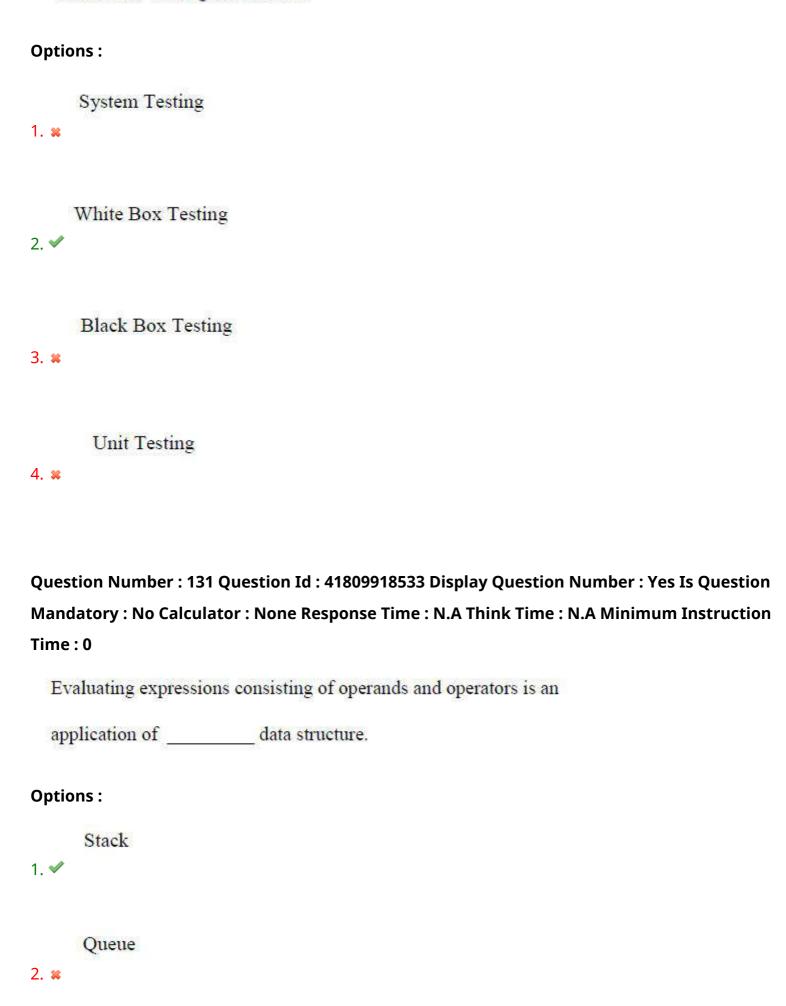
2. 🗸

Options: White Box Testing 1. 🗶 Black Box Testing 2. 💥 System Testing 3. ** Acceptance Testing 4. 🗸 Question Number: 128 Question Id: 41809918530 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0 Modules A and B Operate on the same input and Output then the Cohesion is **Options:** Linear Cohesion 1. 💥

Temporal Cohesion 3. ** Random Cohesion 4. 💥 Question Number: 129 Question Id: 41809918531 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0 Regression Testing is mainly associated to **Options:** Functional Testing 1. 🗸 **Development Testing** 2. ** Dataflow Testing 3. ** Maintenance Testing 4. ** Question Number: 130 Question Id: 41809918532 Display Question Number: Yes Is Question

Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction

Basis Path Testing is related to



	Tree
3. 🗱	
	Graph
4. 🔉	
0	ion Number : 122 Overtion Id : 41900019524 Display Overtion Number : Ves Is Overtion
	ion Number : 132 Question Id : 41809918534 Display Question Number : Yes Is Question atory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time :	0
Exa	ample for Non linear Data structure is
Optio	ns:
	Stack
1. 🕊	
	Trees
2. 🗸	
3. 🗱	Queue
	Linked List
4. 🔉	

Question Number: 133 Question Id: 41809918535 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction

The best case time complexity of quick sort is
Options:
O(log n) 1. **
O(n log n) 2. ✓
O(n ²) 3. **
O(1) 4. **
Question Number : 134 Question Id : 41809918536 Display Question Number : Yes Is Question
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
In queue, the elements can be inserted or removed from both the ends of the queue.
Options:
Dequeue 1. ✔
2. **

Priority Queue
Circular Queue 3. **
Linear Queue 4. *
Question Number : 135 Question Id : 41809918537 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Implementation of Depth First search is done using
Options :
Circular queue 1. **
Linear queue 2. **
Stack

4. 🗱

Doul	ble	end	ed	q	ueu	ie

Time: 0

	tion Number : 136 Question Id : 41809918538 Display Question Number : Yes Is Question
Time	latory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instructio · ດ
Time	. •
8	tree traversal technique prints the elements of binary search
tre	e in ascending order
Optio	ns:
1. 🕊	Pre order
2. *	Post order
3. *	Inverse order
4. 🗸	In order

Question Number: 137 Question Id: 41809918539 Display Question Number: Yes Is Question

Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction

One of the applications of Queue is
Options :
Evaluation post fix expression 1. **
Recursion 2. **
Post order implementation 3. **
Memory management 4. ✓
Question Number : 138 Question Id : 41809918540 Display Question Number : Yes Is Question
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
sorting technique gives best performance with irrespective data distribution.
Options:
Merge sort 1. ✔
2. **

```
Quick sort
       Insertion sort
3. 💥
      Bubble sort
4. 💥
Question Number: 139 Question Id: 41809918541 Display Question Number: Yes Is Question
Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction
Time: 0
  Polynomial manipulations are one of the application of _____ data structure
Options:
      Stack
1. *
     Tree
2. **
     Linked list
      Graph
```

4. 💥

Question Number: 140 Question Id: 41809918542 Display Question Number: Yes Is Q Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Inst	
Time: 0	
data structure requires multiple runs of traversals.	
Options :	
Linear	
1. *	
Array	
2. **	
Non Linear	
3. ✓	
Differential	
4. **	
Question Number : 141 Question Id : 41809918543 Display Question Number : Yes Is Q	uestion
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Inst	truction
Time: 0	
program loads the operating system and initializes all aspects of	
system	
Options:	
Boot strap loader	

1. 🗸

Init	
2. 🗶	
Kernal 3. **	
Micro kernel 4. ☀	
Question Number : 142 Question Id : 41809918544 Display Question Number : Yes Is Questio	
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction	n
Time: 0	
Software may trigger an interrupt by executing a special operation called	
Options :	
Event Handling 1. **	
Interrupt Servicing 2. **	
System call 3. ✓	
4. ×	

-			- 1	
	0	0	74	er
	A 2	a	u	

Question Number: 143 Question Id: 41809918545 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

Which is not the state of a process?

Options:

Running

1. 🗱

Waiting

2. 🗱

Killed

3. ❤

Ready

4. 💥

Question Number: 144 Question Id: 41809918546 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction

5	time is the interval from the time of submission of a process
to th	ne time of completion.
Option	ns:
1. 🗸	Turn around
2. *	Waiting
3. *	Execution
4. 🗶	Running
	on Number : 145 Question Id : 41809918547 Display Question Number : Yes Is Question atory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction 0
St.	CPU scheduling algorithm suffers from starvation.
Option	ns:
1. 🗱	FCFS
	Priority
2. 🗸	
3. **	

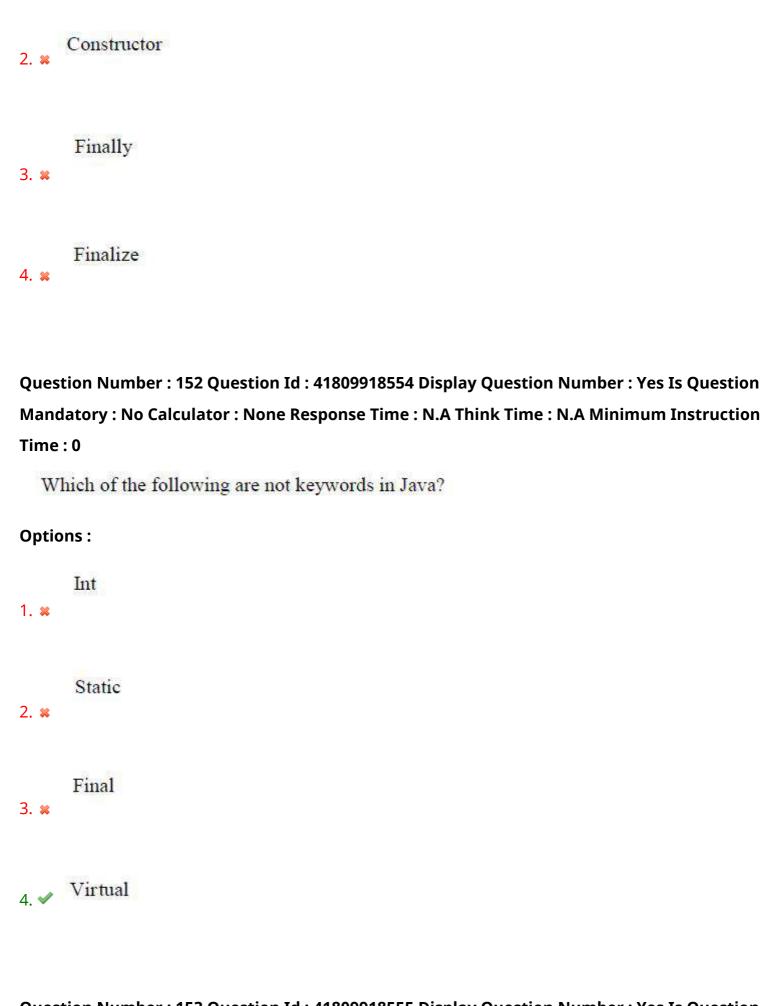
Tim	ne sharing
	Round robin
1. 🕦	
	tion Number : 146 Question Id : 41809918548 Display Question Number : Yes Is Question datory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
	erations of semaphore are
Optio	ons :
. ≋	Add and sub
2. 💥	Push and pull
3. 🗸	Wait and signal
1. 🕦	Hold and wait

Question Number : 147 Question Id : 41809918549 Display Question Number : Yes Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time: 0
The purpose of banker's algorithm is
Options :
Deadlock Recovery
1. *
Deadlock Prevention
2. *
Deadlock Avoidance
3. ❖
No preemption
Question Number : 148 Question Id : 41809918550 Display Question Number : Yes Is Question
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time: 0
Which of the memory allocation scheme is fastest?
Options :
Best fit
1. x
Worst fit
2. *

3. 🗶	Paging
4. 🗸	First fit
Mand Time	stion Number : 149 Question Id : 41809918551 Display Question Number : Yes Is Question datory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction : : 0 ging suffers from
Optio	
1. 🗸	External fragmentation
2. 🗶	Internal fragmentation
3. 🗶	Starvation
4. 🗶	Beladoy's Anomaly

Question Number : 150 Question Id : 41809918552 Display Question Number : Yes Is Question
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time: 0
RAID level refers to disk mirroring.
Options :
Level 0 1. *
Level 1 2. ✓
Level 2 3. ₩
Level 3 4. *
Question Number : 151 Question Id : 41809918553 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Which of the following method is invoked by garbage collector implicitly?
Options :
Destructor
1. ✓



Question Number : 153 Question Id : 41809918555 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

keyword signifies the property that the value of the
variable cannot be changed
Options :
Static
1. *
Final 2. ✓
Public 3. **
volatile 4. **
Question Number : 154 Question Id : 41809918556 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Which of the following does not have super class?
Options :
System 1. **
Object 2. ✔
3. *

Inte	eger eger
1. ☎	Exception
	cion Number : 155 Question Id : 41809918557 Display Question Number : Yes Is Question
	atory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
ime :	event will be notified when the scroll bar is manipulated
Optio	ns:
. *	Action event
2. *	Item event
3. ₩	Window event
1. 🗸	Adjustment event

Question Number: 156 Question Id: 41809918558 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

S	canner class	is available in		_ package	
Optic	ons :				
1. 🗶	Java.io				
2. *	Java.net				
3. *	Java.lang				
4. 🗸	Java.util				
		r : 157 Question Id : alculator : None Re			
Time			:.: 1:1	1	
38	/	method used to in	nitialize a threa	d execution	
Optio	ons :				
1. 🗶	Resume				
	Run				
2. 🗱					

	Start
3. 🗸	
4. *	Init
Questic	on Number : 158 Question Id : 41809918560 Display Question Number : Yes Is Question
Manda	tory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time : (
Whic	h one of the following is not access modifiers in Java?
Option	s:
1. 🗱	Protected
2. 🗸	Void
3. 🗱	Public
4. 🗱	Private
Questic	on Number : 159 Question Id : 41809918561 Display Question Number : Yes Is Question
Manda	tory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

method compares the string objects in Java.
Options :
compare
1. 🕊
compareTo
2. 🗸
equalsTo 3. **
Similar 4. *
Question Number: 160 Question Id: 41809918562 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0 Which of the following is serializable?
Options:
Interface 1. ✓
Class

object Exception 4. 💥 Question Number: 161 Question Id: 41809918563 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0 Full form of NIC **Options:** Network Interface Card Network Internet Card 2. 💥 Networking Internal Card Network Information Card 4. ** Question Number: 162 Question Id: 41809918564 Display Question Number: Yes Is Question

Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction

8	device is used to transmit the signal to every port except the
inco	ming port.
Optio	ns:
1. 🕊	Switch
2. 🗱	Bridge
3. 🗸	Hub
4. 🗶	Router
	ion Number : 163 Question Id : 41809918565 Display Question Number : Yes Is Question atory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
	device operates on Data link layer with point-to-point
	munication.
Option 1. ✓	Switch
2. 🗶	Bridge

Router
4. *
Question Number : 164 Question Id : 41809918566 Display Question Number : Yes Is Question
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time: 0
A device which is used to convert analog to digital signal.
Options :
Switch
1. *
repeater 2. **
booster 3. **
J. W
Modem
4. ❖
Question Number : 165 Question Id : 41809918567 Display Question Number : Yes Is Question
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time: 0
network topology makes use of token system for managing the
network.
Options:

1. 🕊	Mesh
2. 🗸	Ring
3. *	Star
4. 🗶	tree
	tion Number : 166 Question Id : 41809918568 Display Question Number : Yes Is Question latory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time	: 0
s i	addressing allows an autonomous system made up of
mu	ltiple networks to share same Internet address.
Optio	ons:
	MAC
1. 🕱	
2. 🗸	Subnetting
3. 💥	Full duplex

4. 💥

Half Duplex

Question Number: 167 Question Id: 41809918569 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

Number of bits of IP address is used for subnet mask in Class C network.

Options:

8

1. 32

2. * 16

3. 🗸

32

4. 💥

Question Number : 168 Question Id : 41809918570 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

_____ assigns IP address space for a network.

Options:

Internet Assigned Numbers Authority

```
Internet Address Network Authority
2. 💥
      Internet Address Number Authority
3. 💥
      Internet Assigned Network Authority
4. 💥
Question Number: 169 Question Id: 41809918571 Display Question Number: Yes Is Question
Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction
Time: 0
  How many classes of IP address are available?
Options:
1. **
     3
2. 💥
      4
       5
4. 🗱
```

Question Number : 170 Question Id : 41809918572 Display Question Number : Yes Is Question
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time: 0
What is the default subnet mask of class B IP address?
Options :
1. * 255.0.0.0
255.255.0.0 2. ✔
255.255.255.0 3. *
255.255.255.255 4. *
Question Number : 171 Question Id : 41809918573 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 RDBMS stores data in format.
Options :
1. ✓ File
Table 2. ¥

Matrix 3. **
Tuples 4. *
Question Number : 172 Question Id : 41809918574 Display Question Number : Yes Is Question
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Which of the following query list the "number of students in each district is"
Options:
SELECT COUNT (Student ID), District FROM Students GROUP BY District 1. **
2. SELECT COUNT(Student ID), District FROM Students ORDER BY District
SELECT Student ID, District FROM Students GROUP BY District 3. **
SELECT COUNT(Student ID), District FROM Students 4. **
Question Number: 173 Question Id: 41809918575 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0
Key is used to link two tables together.
Options:

1. 🗸	Foreign
2. 🗶	Primary
3. 🕊	Secondary
4. 🗶	Join
Quest	ion Number : 174 Question Id : 41809918576 Display Question Number : Yes Is Question
Mand Time	
Time	is used to organize tables in a manner that reduces redundancy.
Time	is used to organize tables in a manner that reduces redundancy.
Time	is used to organize tables in a manner that reduces redundancy. ns:
Optio 1. 2. **	is used to organize tables in a manner that reduces redundancy. ns: Normalization

Question Number : 175 Question Id : 41809918577 Display Question Number : Yes Is Question
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time: 0
key can contain a unique and not null values in relational database.
Options :
1. ✓ Primary
Check 2. **
Unique 3. **
Integrity 4. **
Question Number: 176 Question Id: 41809918578 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0
Language changes the structure of the table through create, alter,
drop operations.
Options:
Data Control 1. **
Data Manipulation

```
Data Definition
     Data Query
4. 💥
Question Number: 177 Question Id: 41809918579 Display Question Number: Yes Is Question
Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction
Time: 0
         is not a scalar data type in Pl/SQL.
Options:
      VARCHAR2
      DATE
2. **
       RECORD
      NUMBER
4. 💥
```

Question Number: 178 Question Id: 41809918580 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

Ontic	at is the maximum number of triggers you can apply on a single table?
Optio	ons:
1. 🕊	5
2. 🗶	8
3. *	10
4. 🗸	12
	tion Number : 179 Question Id : 41809918581 Display Question Number : Yes Is Question datory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
	:0
8	database stores data in documents.
Optio	database stores data in documents.
Optio	database stores data in documents.
	database stores data in documents.

-T. ••
Question Number: 180 Question Id: 41809918582 Display Question Number: Yes Is Question
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time: 0
is used to remove a relation from an SQL.
Options :
Drop
1. ✓
Collapse
2. *
Delete
3. *
Remove
4. **
Question Number : 181 Question Id : 41809918583 Display Question Number : Yes Is Question
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time: 0
concept indicates giving multiple forms to an entity.
Options:

PL/SQL

1. 🗱

2. 🕊	Abstraction
3. 🗸	polymorphism
4. 🗶	Inheritance
Question Number : 182 Question Id : 41809918584 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0	
Mand	atory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Mand Time	atory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Mand Time	atory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction ouiring the properties of one entity to another entity is called
Mand Time : Acq Optio	atory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction ouiring the properties of one entity to another entity is called
Mand Time : Acq Optio	atory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction 10 10 10 10 10 10 11 11 13 15 16 17 18 18 18 18 18 18 18 18 18

Encapsulation

Inheritance	
Question Number: 183 Question Id: 41809918585 Display Question Nu Mandatory: No Calculator: None Response Time: N.A Think Time: N.A	

Question Number : 183 Question Id : 41809918585 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

C++ supports _____ types of constructors.

Options:

1. 🗸 3

2

3. **

4

4. 🗱

Question Number : 184 Question Id : 41809918586 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

_____ Method initializes the objects in C++.

Options:

1. 🗸

Virtual function 2. 💥 Destructor 3. ** Init 4. ** Question Number: 185 Question Id: 41809918587 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0 operators cannot be overloaded in C++. Options: Unary 1. * Binary 2. ** Ternary Logical

Constructor

4. **

Question Number : 186 Question Id : 41809918588 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

To avoid the ambiguity of two copies of a same base class into one derived class via different class; we need to make the class as

Options:

Public

1. 💥

Protected

Virtual

Private

Question Number: 187 Question Id: 41809918589 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

Which of the following cannot be static member?

Options:

Virtual function

1. 🗸

2. 🗶	Protected members
3. 🗶	Public Function
4. 💥	Private Function
Mano Time	stion Number: 188 Question Id: 41809918590 Display Question Number: Yes Is Question datory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction: 0 In time polymorphism can be implemented by using
Optio	ons :
1. 🗶	Virtual Base class
2. 🗶	Operator overloading
3. 🗸	Virtual functions
4. 💥	Inheritance

Question Number : 189 Question Id : 41809918591 Display Question Number : Yes Is Question

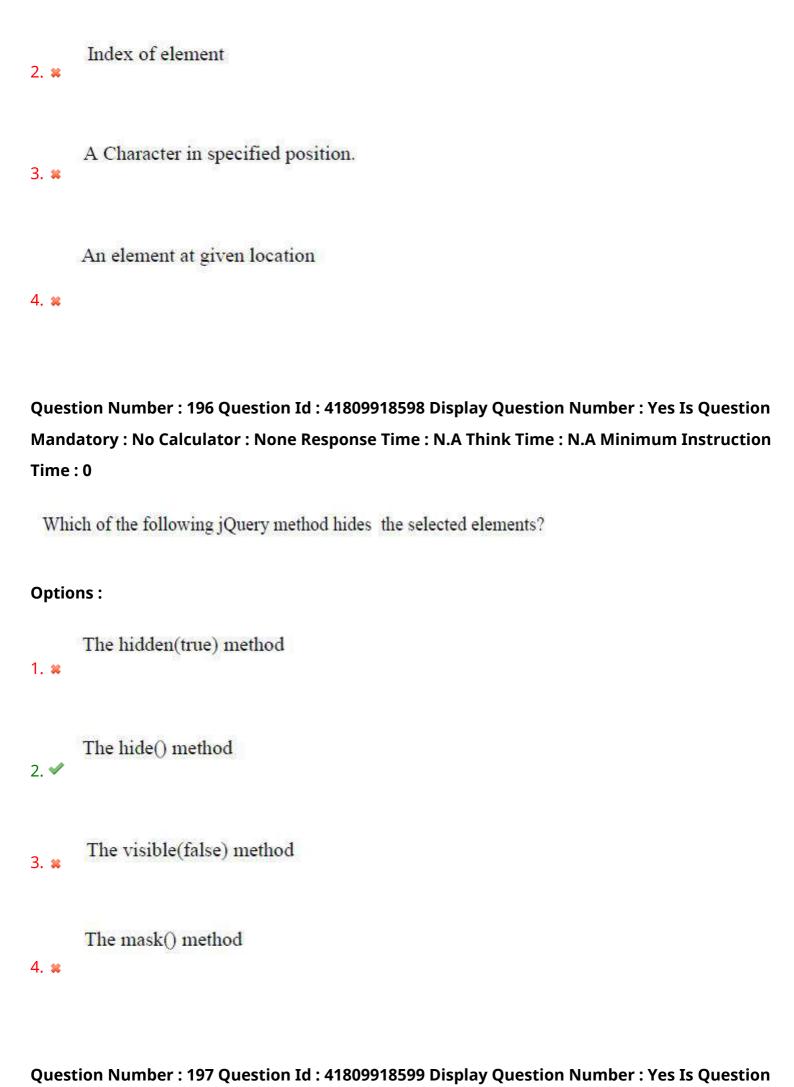
Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time: 0
Standard output stream in C++
Options :
cin 1. *
cout 2. ✔
outsteam 3. *
Fostream 4. **
Question Number : 190 Question Id : 41809918592 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction
Time: 0
keyword refers to invoking object.
Options :
this 1. ✓
super 2. *

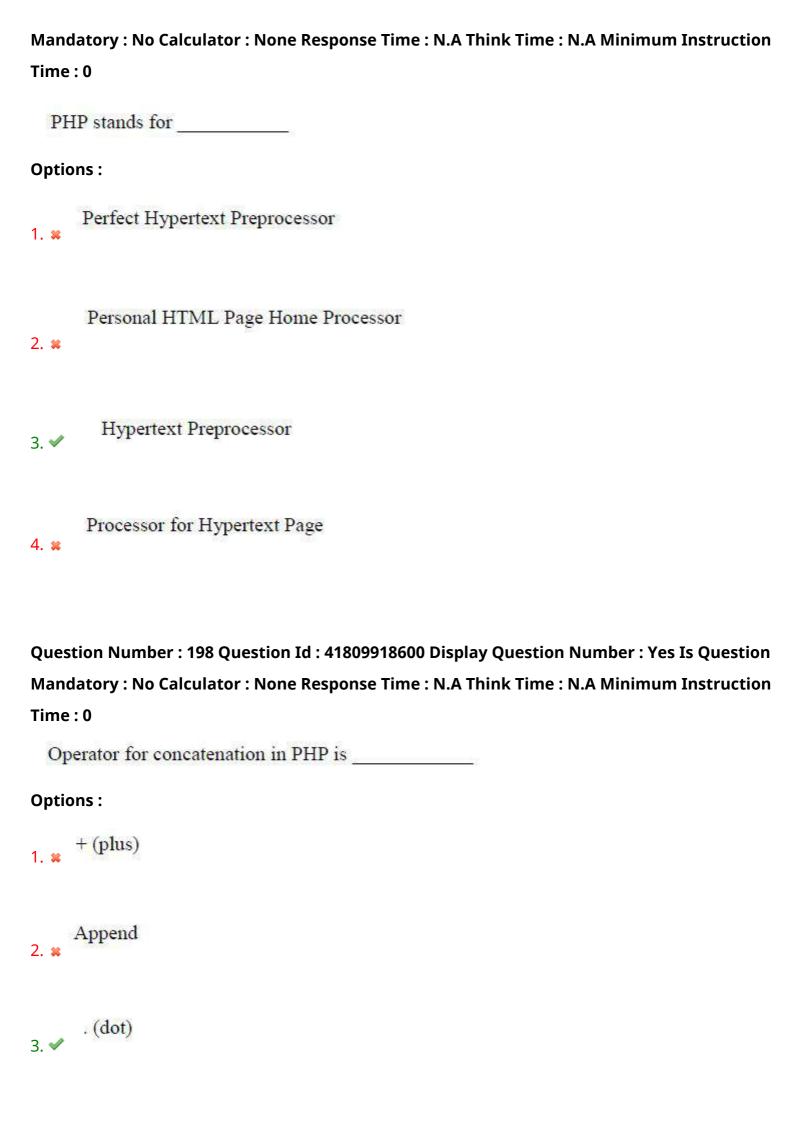
virtual 3. **
Catch 4. *
Question Number: 191 Question Id: 41809918593 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0
tag is helpful to include image in HTML.
Options :
Image 1. *
Img 2. ✓
Pic 3. *
Pix 4. *
Question Number: 192 Question Id: 41809918594 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

<a> tag in HTML is useful for _____

	Options:	
1. 🗸	Linking other pages	
2. 🗱	Displaying Animated images	
3. 🗱	Inserting arrays	
4. 🕊	Including sounds	
Question Number : 193 Question Id : 41809918595 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0		
Mano	datory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction : 0	
Mano	datory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction: 0 tag scrolls the text in HTML page	
Mano Time	datory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction: 0 tag scrolls the text in HTML page	
Mand Time	datory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction: 0 tag scrolls the text in HTML page ons:	
Mand Time Option	datory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction: 0	

Questi	on Number : 194 Question Id : 41809918596 Display Question Number : Yes Is Question	
Manda	tory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction	
Time: 0		
In	, an external style sheet is placed in HTML document.	
Option	ns:	
1. 🗶	<html></html>	
2. 🗸	<css></css>	
3. 🗱	<style></td></tr><tr><td>4. 🗶</td><td>link></td></tr><tr><td></td><td>on Number : 195 Question Id : 41809918597 Display Question Number : Yes Is Question</td></tr><tr><td></td><td>tory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction</td></tr><tr><td>Time :</td><td>O Company of the comp</td></tr><tr><td>In ja</td><td>va script, find() method of array gives</td></tr><tr><td>Option</td><td>ns:</td></tr><tr><td>1 🗸</td><td>First element that passes the test</td></tr></tbody></table></style>	





Join

4. 🛚

Question Number: 199 Question Id: 41809918601 Display Question Number: Yes Is Question Mandatory: No Calculator: None Response Time: N.A Think Time: N.A Minimum Instruction Time: 0

Which of the following tag is used to create an unordered list (a list with the

list items in bullets) in HTML?

Options:

1. **✓**

2. *

3. 💥

 $\langle i \rangle$

4. **

Question Number : 200 Question Id : 41809918602 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following function is used to get environment variables in PHP?

Options:

1. *

```
dispenv()

2. ✓ getenv()

env()

3. **
```

fetchenv()

4. 💥