Question Paper Preview

Question Paper Name:Electronics and Communication EngineeringSubject Name:Electronics and Communication Engineering

Mathematics

Number of Questions: 50
Display Number Panel: Yes
Group All Questions: No

Question Number: 1 Question Id: 67809417824 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If
$$A = \begin{pmatrix} 2 & -1 & 0 \\ 3 & 4 & 7 \end{pmatrix}$$
 and $B = \begin{pmatrix} 5 & 2 & -3 \\ 1 & 0 & -2 \end{pmatrix}$ then $2A+3B =$

Options:

$$\begin{pmatrix} 19 & 4 & -9 \\ 9 & 8 & 8 \end{pmatrix}$$

$$\begin{pmatrix} -19 & -4 & 9 \\ 9 & 8 & -8 \end{pmatrix}$$

$$\begin{pmatrix} 18 & 4 & -9 \\ 9 & 8 & 8 \end{pmatrix}$$

$$\begin{pmatrix} 17 & 5 & -9 \\ 8 & 8 & 9 \end{pmatrix}$$

Question Number: 2 Question Id: 67809417825 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If
$$A = \begin{pmatrix} 2 & -3 & 0 \\ 1 & 4 & -1 \end{pmatrix}$$
 and $B = \begin{pmatrix} 6 & 1 \\ 3 & 0 \\ 5 & 2 \end{pmatrix}$ then $(AB)^T = \begin{pmatrix} 6 & 1 \\ 3 & 0 \\ 5 & 2 \end{pmatrix}$

Options:

 A^TB^T

$$_{2}$$
 $B^{T}A^{T}$

$$_{3}$$
 (BA)^T

Question Number: 3 Question Id: 67809417826 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If two rows or two columns of a determinant are identical then the value of the determinant is

Options:

- 1 2
- 2 -1
- 3. 0
- 4. -2

Question Number: 4 Question Id: 67809417827 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of 265 240 219 240 225 198 is 219 198 181

Options:

- , -1
- , 0
- 3 1
- 4 2

Question Number: 5 Question Id: 67809417828 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The adjoint of the square matrix $A = \begin{pmatrix} 2 & 5 & 1 \\ 3 & 1 & 2 \\ 4 & 3 & 1 \end{pmatrix}$ is

Options: $WWW \cdot M$

$$\begin{pmatrix} -5 & -2 & 9 \\ 5 & -2 & -1 \\ 5 & 14 & -13 \end{pmatrix}$$

$$\begin{pmatrix}
5 & 2 & 9 \\
5 & -2 & -1 \\
5 & 14 & -13
\end{pmatrix}$$

$$\begin{pmatrix} -5 & -2 & 9 \\ -5 & -2 & -1 \\ -5 & 14 & -13 \end{pmatrix}$$

$$\begin{pmatrix} -5 & -2 & -9 \\ 5 & 2 & 1 \\ 5 & 14 & -13 \end{pmatrix}$$

Question Number: 6 Question Id: 67809417829 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

Resolve into partial fractions: $\frac{5}{(2x-1)(3x-1)}$ =

Options:

$$\frac{8}{2x-1} + \frac{5}{3x-1}$$

$$\frac{10}{2x-1} - \frac{15}{3x-1}$$

$$\frac{11}{3x-1} + \frac{7}{2x-1}$$

$$\frac{1}{2x-1} + \frac{2}{3x-1}$$

Question Number: 7 Question Id: 67809417830 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

Resolve into partial fractions: $\frac{3x-1}{(x-1)(x-2)(x-3)} =$

Options:

$$\frac{2}{x-1} + \frac{5}{x-2} - \frac{4}{x-3}$$

 $\frac{2}{x-1} + \frac{5}{x-2} - \frac{4}{x-3}$ www.manaresults.co.in

$$\frac{-1}{x-1} + \frac{5}{x-2} - \frac{4}{x-3}$$

$$\frac{1}{x-1} + \frac{5}{x-2} + \frac{4}{x-3}$$

$$\frac{1}{4} \frac{1}{x-1} - \frac{5}{x-2} + \frac{4}{x-3}$$

Question Number: 8 Question Id: 67809417831 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If $tanA = \frac{1}{2}$ and $tanB = \frac{1}{3}$ then tan(A - B) =

Options:

- 1. 7
- $\frac{-1}{7}$
- 3 5
- 4 3

Question Number: 9 Question Id: 67809417832 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $\cot 2A + \tan A =$

- 1 sin2A
- 2 cos2A
- 3. sec2A
- 4. cosec2A

The value of	1-cos2A+sin2A	-
	1+cos2A+sin2A	-7.5

Options:

1. sinA

2 cosA

3. tanA

4 cotA

Question Number: 11 Question Id: 67809417834 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $\sin \frac{\pi}{5} \sin \frac{2\pi}{5} \sin \frac{3\pi}{5} \sin \frac{4\pi}{5} =$

Options:

- 1 15
- 2 16
- -5 16
- 7 1 15

Question Number: 12 Question Id: 67809417835 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $\cos 20^{\circ} + \cos 100^{\circ} + \cos 140^{\circ} =$

- 1 0
- 2.3
- 3. 1
- 4 -3

Question Number: 13 Question Id: 67809417836 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $\sum a(b^2 + c^2)\cos A$ is

Options:

- 1 2abc
- 2 4abc
- 3 3abc
- 4 5abc

Question Number: 14 Question Id: 67809417837 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $(a-b)^2 cos^2 \left(\frac{c}{2}\right) + (a+b)^2 sin^2 \left(\frac{c}{2}\right)$ is

Options:

- 1. C3
- 2 C
- 2 C5
- C^2

Question Number: 15 Question Id: 67809417838 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $2tan^{-1}\left(\frac{1}{3}\right) + tan^{-1}\left(\frac{1}{7}\right)$ is

- 1. $\pi/4$
- $_{2}$ $\pi/2$
- $3. \pi/6$
- $4. \pi/3$

The general solution of $4\cos^2 x - 3 = 0$ is

Options:

$$2n\pi \pm \frac{\pi}{6}$$

$$2n\pi \pm \frac{7\pi}{6}$$

$$3n\pi \pm \frac{5\pi}{6}$$

$$2n\pi \pm \frac{11\pi}{6}$$

Question Number: 17 Question Id: 67809417840 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

If $tan^{-1}x + tan^{-1}y + tan^{-1}z = \frac{\pi}{2}$, then the value of xy + yz + zx is

Options:

- 1. -1
- 2. 3
- 3 5
- 4. 1

Question Number: 18 Question Id: 67809417841 Display Question Number: Yes Single Line Question Option: No Option Orientation : Vertical

The modulus of a complex number $\sqrt{3} + i$ is

- 1. -2
- 2. 3
- 3. 2
- 4. 5

If $x + \frac{1}{x} = 2\cos\theta$ then the value of $x^n + \frac{1}{x^n}$ is

Options:

- $\frac{1}{1} 2 \cos n\theta$
- $_2$ -2 cos $n\theta$
- $3\cos\theta$
- $\frac{2\sin n\theta}{\theta}$

Question Number: 20 Question Id: 67809417843 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The centre of the circle: $x^2 + y^2 - 2x + 6y - 6 = 0$ is

Options:

- $_{1.}$ (1,3)
- $_{2.}(2,3)$
- $_{3.}(1,-3)$
- 4 (-1,3)

Question Number: 21 Question Id: 67809417844 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The radius of the circle: $5x^2 + 5y^2 - 6x + 8y - 75 = 0$ is

Options:

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

Question Number: 22 Question Id: 67809417845 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical WWW.manaresults.co.in

The equation of the parabola with vertex (2,-1) and focus (2,-3) is

Options:

$$\int_{1}^{2} x^{2} - 4x + 8y + 12 = 0$$

$$x^2 - 4x - 8y - 12 = 0$$

$$x^2 + 4x - 8y - 12 = 0$$

$$x^2 + 5x - 8y - 11 = 0$$

Question Number: 23 Question Id: 67809417846 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The centre of the ellipse: $9x^2 + 25y^2 - 18x + 100y - 116 = 0$ is

Options:

$$(2,-1)$$

$$_{2}$$
 $(-1,-2)$

$$_{3}$$
 (1,-2)

Question Number: 24 Question Id: 67809417847 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The focus of the hyperbola: $\frac{x^2}{25} - \frac{y^2}{144} = 1$ is

Options:

$$(-13,0)$$

$$_{3}$$
 (13, -1)

Question Number: 25 Question Id: 67809417848 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The length of the major axis of the ellipse: $4x^2 + 3y^2 = 48$ is

Options :

1. 10

2.11

3. 8

4. 13

Question Number: 26 Question Id: 67809417849 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $\lim_{x\to 1} \frac{x^3-1}{x-1}$ is

Options:

1. 3

2 -3

3. 2

4. 1

Question Number: 27 Question Id: 67809417850 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If $y = \frac{a+bx}{b-ax}$ then the derivative of y with respect to x is

Options:

$$\int_{1}^{a^2+b^2} \frac{a^2+b^2}{(b-ax)^2}$$

$$\frac{a^2+b^2}{(b+ax)^2}$$

$$\frac{a^2-b^2}{(b-ax)^2}$$

$$\frac{a+b}{(b-ax)^2}$$

Question Number: 28 Question Id: 67809417851 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If
$$y = x^3 e^x$$
 then $\frac{dy}{dx}$ is

Options:

$$(x-3)x^2e^x$$

$$(x-2)x^3e^x$$

$$\int_{3} (x+3)x^2 e^x$$

$$(x-1)x^3e^x$$

Question Number : 29 Question Id : 67809417852 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

If $y = \sec x + \tan x$ then $\frac{dy}{dx}$ is

Options:

- $\int_{1}^{\infty} y \cos x$
- $_2$ y sec x
- $y = -y \sin x$
- $y \tan x$

Question Number: 30 Question Id: 67809417853 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If $y = \frac{2+3 \sinh x}{3+2 \sinh x}$ then the derivative of y with respect to x is

Options:

$$\frac{5\cosh x}{(3+2\sinh x)^2}$$

$$\frac{5 \sinh x}{(3+2 \sinh x)^2}$$

$$\frac{5\sin x}{(3-2\cosh x)^2}$$

$$\frac{\sinh^2 x}{(2-3\sinh x)^2}$$

Question Number: 31 Question Id: 67809417854 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If
$$y = \sqrt{\frac{1 - \cos x}{1 + \cos x}}$$
 then $\frac{dy}{dx}$ is

Options:

$$\sec^2\left(\frac{x}{2}\right)$$

$$\cos^2\left(\frac{x}{2}\right)$$

$$\frac{1}{2}\cos^2\left(\frac{x}{2}\right)$$

$$\frac{1}{2}\sec^2\left(\frac{x}{2}\right)$$

Question Number: 32 Question Id: 67809417855 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The angle between the curves $y = x^2 + 3x - 7$ and $y^2 = 2x + 5$ at (2,3) is

Options:

$$\tan \theta = 2$$

$$_2$$
 $\sec \theta = 2$

$$\cos \theta = 1$$

$$\sin \theta = 3$$

Question Number: 33 Question Id: 67809417856 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The range of x for which the function $x^3 - 3x^2 - 45x + 2$ is increasing with x is

Options:

$$(3,-5)$$

$$_{2}$$
 $(-3,-5)$

$$_{4}$$
 (-3,5)

Question Number: 34 Question Id: 67809417857 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The maximum value of the function $2x^3 - 12x^2 + 18x + 5$ is

Options:

- 1 13
- 2 12
- 3. 10
- 4 15

Question Number: 35 Question Id: 67809417858 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

If u is a homogeneous function of x and y with degree n then $x \frac{\partial u}{\partial x} + y \frac{\partial u}{\partial y} =$

Options:

- 1. -nu
- $_2$ n^2u
- 3 nu
- $u^{2} + u^{2}$

Question Number: 36 Question Id: 67809417859 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $\int \frac{\cos\sqrt{x}}{\sqrt{x}} dx$ is

$$2\sin\sqrt{x}+c$$

$$3\sin\sqrt{x}+c$$

$$2\sin x + c$$

$$\sin \sqrt{x} + c$$

Question Number: 37 Question Id: 67809417860 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $\int \frac{dx}{\sqrt{a^2-x^2}}$ is

Options:

$$\cos^{-1}\left(\frac{x}{a}\right) + c$$

$$\sin^{-1}\left(\frac{x}{a}\right) + c$$

$$\sinh^{-1}\left(\frac{x}{a}\right) + c$$

$$\sin^{-1}\left(\frac{a}{x}\right) + c$$

Question Number: 38 Question Id: 67809417861 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $\int \frac{dx}{4x^2+4x+17}$ is

Options:

$$\frac{1}{8} \tan^{-1} \left(\frac{2x+1}{4} \right) + c$$

$$\int_{2}^{1} \cot^{-1}\left(\frac{2x+1}{4}\right) + c$$

$$\frac{1}{8}\sin^{-1}\left(\frac{2x+1}{4}\right) + c$$

$$\int_{4}^{1} \tan^{-1}\left(\frac{2x+1}{4}\right) + c$$

Question Number: 39 Question Id: 67809417862 Display Question Number: Yes Single Line Question Option: No Option

The value of $\int \log x \, dx$ is

Options:

$$x \log x + x + c$$

$$2 x^2 \log x - x + c$$

$$x \log x - x + c$$

$$x \log x - \frac{x^2}{2} + c$$

Question Number : 40 Question Id : 67809417863 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of $\int_{1}^{4} \left(\sqrt{x} + \frac{1}{\sqrt{x}} \right) dx$ is

Options:

$$-\frac{20}{3}$$

Question Number: 41 Question Id: 67809417864 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The value of $\int_0^{\pi/2} \sin^2 x \, dx$ is

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

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

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

Question Number: 42 Question Id: 67809417865 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The area enclosed between the curve $y^2 = 4ax$ and the line x = 2y is

Options:

$$\frac{64}{5}$$
 sq. units

$$\frac{64}{3}$$
 sq. units

$$\frac{65}{4}$$
 sq. units

$$\frac{63}{4}$$
 sq. units

Question Number : 43 Question Id : 67809417866 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The value of $\lim_{n\to\infty} \left[\frac{1}{n+1} + \frac{1}{n+2} + \cdots + \frac{1}{n+n} \right]$ is

Options:

$$_4 \log n$$

Question Number: 44 Question Id: 67809417867 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

Form the differential equation by eliminating the arbitrary constant a from $ay^2 = x^3$ WWW. Manaresults.co.in

$$\frac{dy}{dx} = \frac{3y}{2x}$$

$$\frac{dy}{dx} = \frac{2x}{3y}$$

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

$$\frac{dy}{dx} = \frac{2y}{x}$$

Question Number: 45 Question Id: 67809417868 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The solution of $\sqrt{1-y^2}dx + \sqrt{1-x^2}dy = 0$ is

Options:

$$\int_{1}^{1} \cos^{-1} x + \cos^{-1} y = c$$

$$\int_{\gamma} \sinh^{-1} x + \cosh^{-1} y = c$$

$$\cos^{-1} x + \sec^{-1} x = c$$

$$\sin^{-1}x + \sin^{-1}y = c$$

Question Number : 46 Question Id : 67809417869 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The solution of $\frac{dy}{dx} = (4x + y + 1)^2$ is

Options:

$$\int_{1}^{1} \tan^{-1} \left(\frac{4x + y + 1}{2} \right) = x + c$$

$$\int_{2}^{1} \cot^{-1} \left(\frac{4x + y + 1}{2} \right) = x + c$$

$$-\frac{1}{2}\tan^{-1}\left(\frac{4x+y+1}{2}\right) = x + c$$

$$\frac{1}{2}\tan^{-1}\left(\frac{4x-y-1}{2}\right) = x + c$$

Question Number: 47 Question Id: 67809417870 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The solution of exact differential equation $2xy dx + x^2 dy = 0$ is

Options:

$$x^2y^2 = c$$

$$x^2y=c$$

$$_{3.}x^{3}y=c$$

$$_{4} x^{2}y^{3} = c$$

Question Number: 48 Question Id: 67809417871 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The solution of $\frac{dy}{dx} + y = e^{-x}$ is

Options:

$$(x+c)e^{-x}$$

$$(x-c)e^x$$

$$(x+c)e^x$$

$$(x+c)e^{-2x}$$

Question Number: 49 Question Id: 67809417872 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The particular integral of $(D^2 + 5D + 6)y = e^x$ is

$$\frac{-e^{-x}}{12}$$

$$\frac{e^{2x}}{12}$$

$$\frac{e^x}{12}$$

Question Number: 50 Question Id: 67809417873 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The complementary function of $(D^2 + 3D + 2)y = 8sin5x$ is

Options:

$$c_1e^{-x} + c_2e^{-2x}$$

$$c_1e^x + c_2e^{2x}$$

$$c_1e^{-x}+c_2e^{2x}$$

$$c_1e^{2x}+c_2e^{3x}$$

Physics

Number of Questions:25Display Number Panel:YesGroup All Questions:No

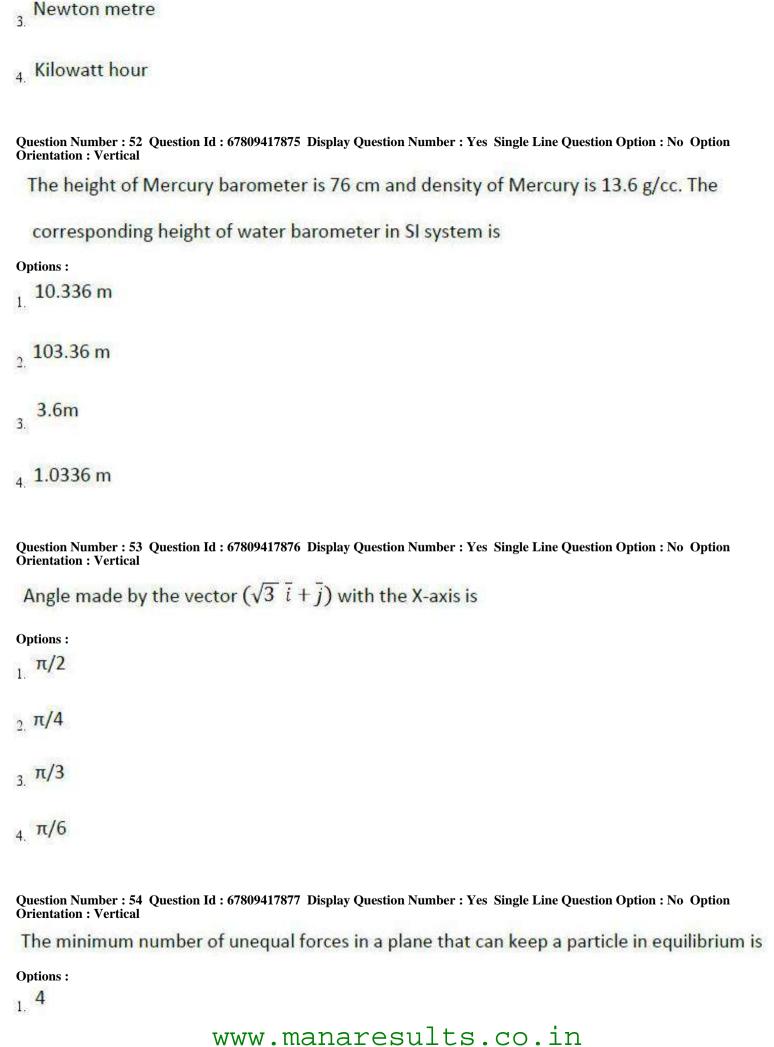
Question Number: 51 Question Id: 67809417874 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

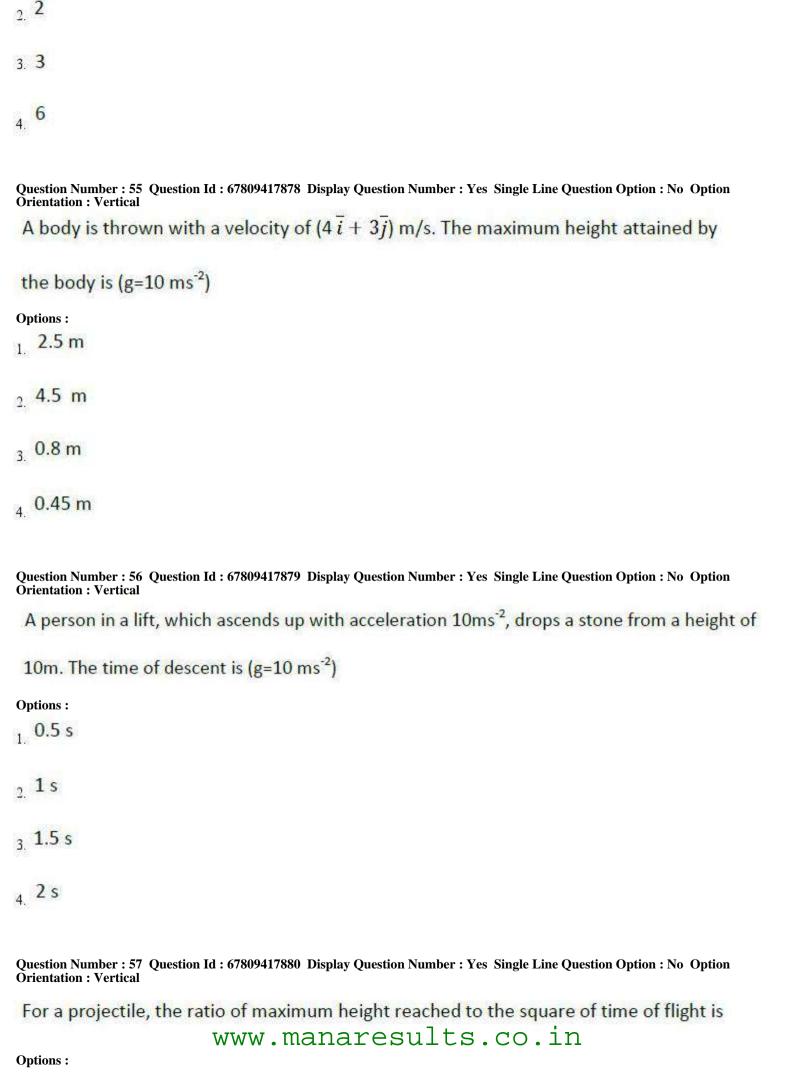
Which of the following is not the unit of energy?

Options:

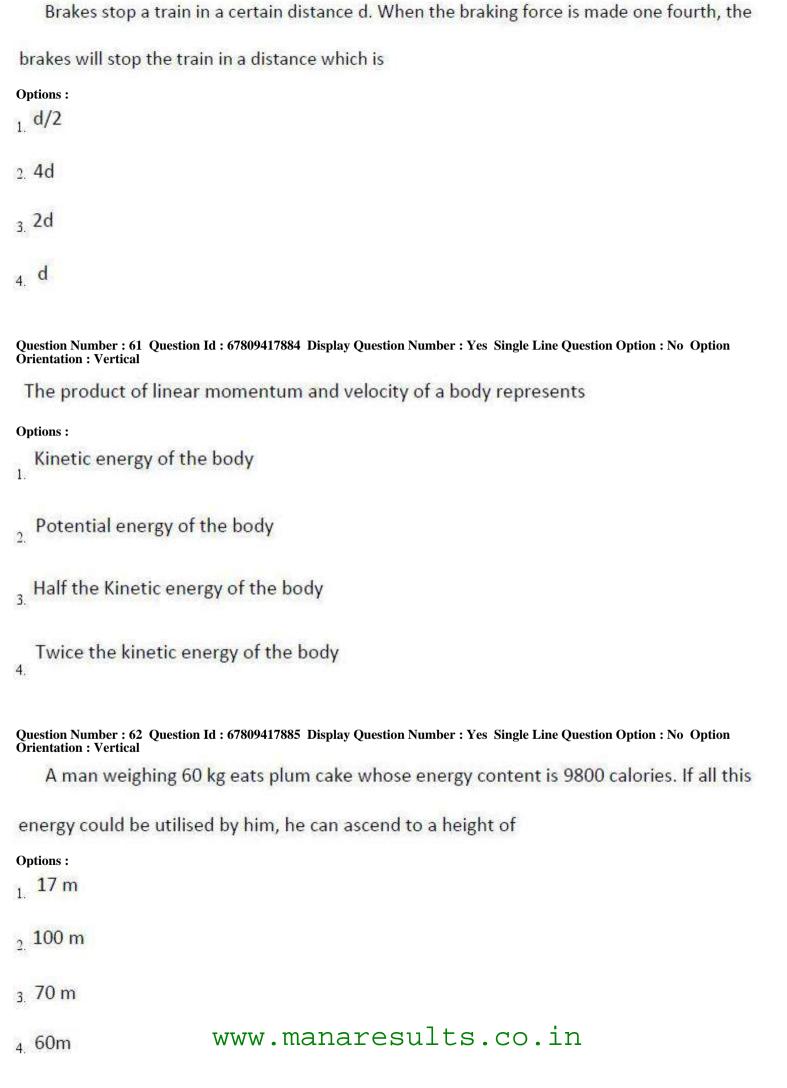
watt second

2. Pascal metre





1. 5:4
2. 5:2
3. 5:1
4. 10:1
Question Number: 58 Question Id: 67809417881 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The ratio of distances travelled by a body, starting from rest and travelling with uniform
acceleration, in successive intervals of time of equal duration will be
Options:
1. 1 :2:3
2. 1:4:9
_{3.} 1:3:5
4. 1:9:16
Question Number: 59 Question Id: 67809417882 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
A force of 12 N acts on a body of mass 4 kg placed on a rough surface. The coefficient of
friction between body and surface is 0.2 and take g= 10 ms ⁻² . The acceleration of the body in
ms ⁻² is
Options:
1. 1
2 0.5
3. 0.25
4. Zero
Question Number: 60 Question Id: 67809417883 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical



Question Number : 63 Question Id : 67809417886 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A crane can lift up 10,000 kg of coal in 1 hour from a mine of depth 180m. If the efficiency of

the crane is 80%, its input power must be $(g=10 \text{ ms}^{-2})$

Options:

- _{1.} 62.5 kW
- ₂ 6.25 kW
- 3. 50 kW
- 4.5 kW

Question Number: 64 Question Id: 67809417887 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The graph of acceleration as a function of displacement in the case of a body executing

simple harmonic motion is

Options:

- , Parabola
- ₂ Hyperbola
- Straight line with positive slope
- Straight line with negative slope

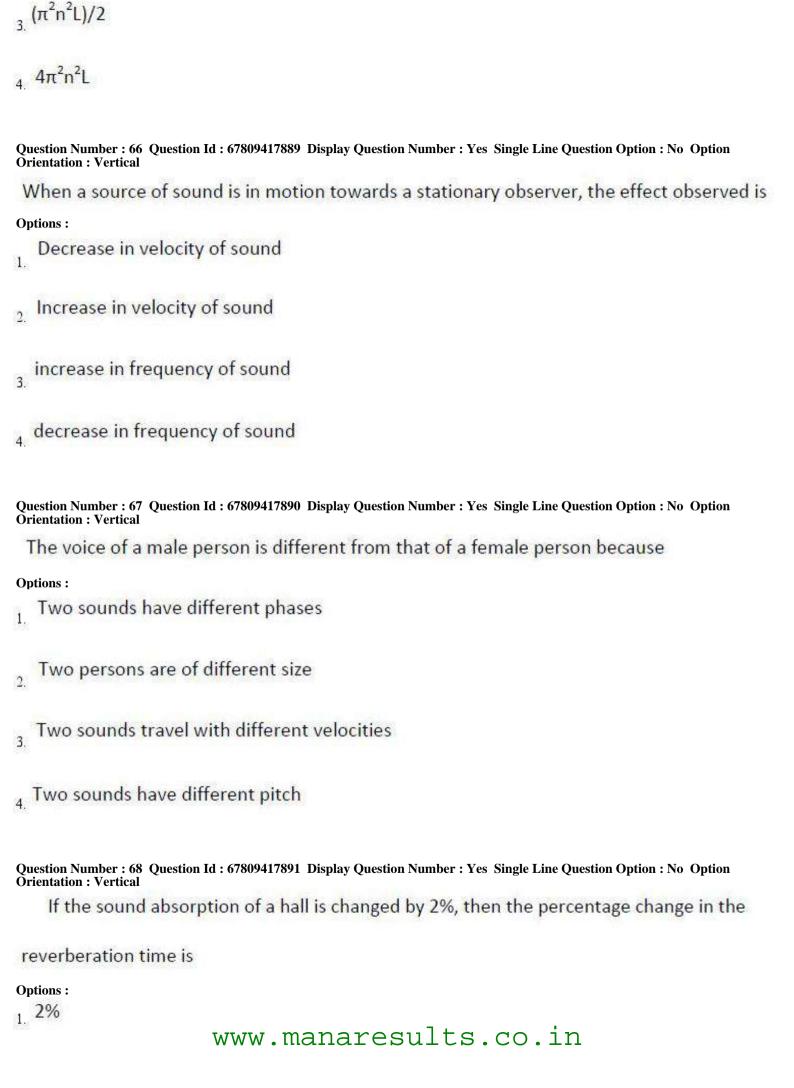
Question Number: 65 Question Id: 67809417888 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

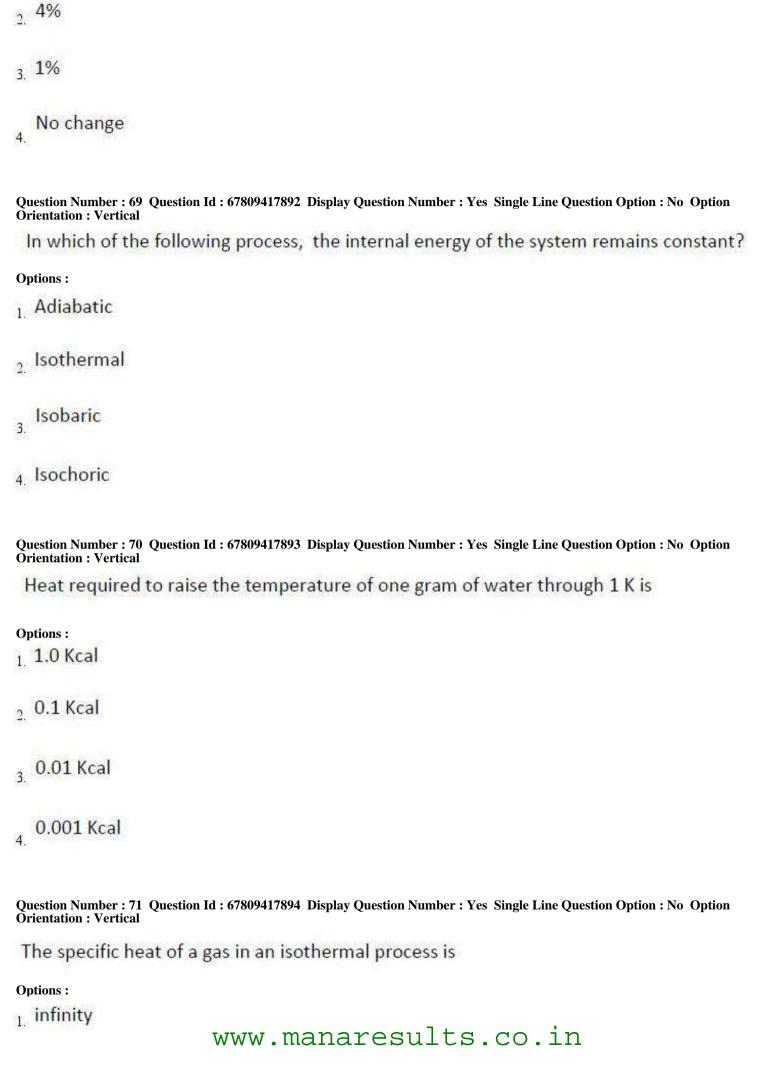
The pendulum of length 'L' swings from mean position to mean position 'n' times in one second. The value of acceleration due to gravity is

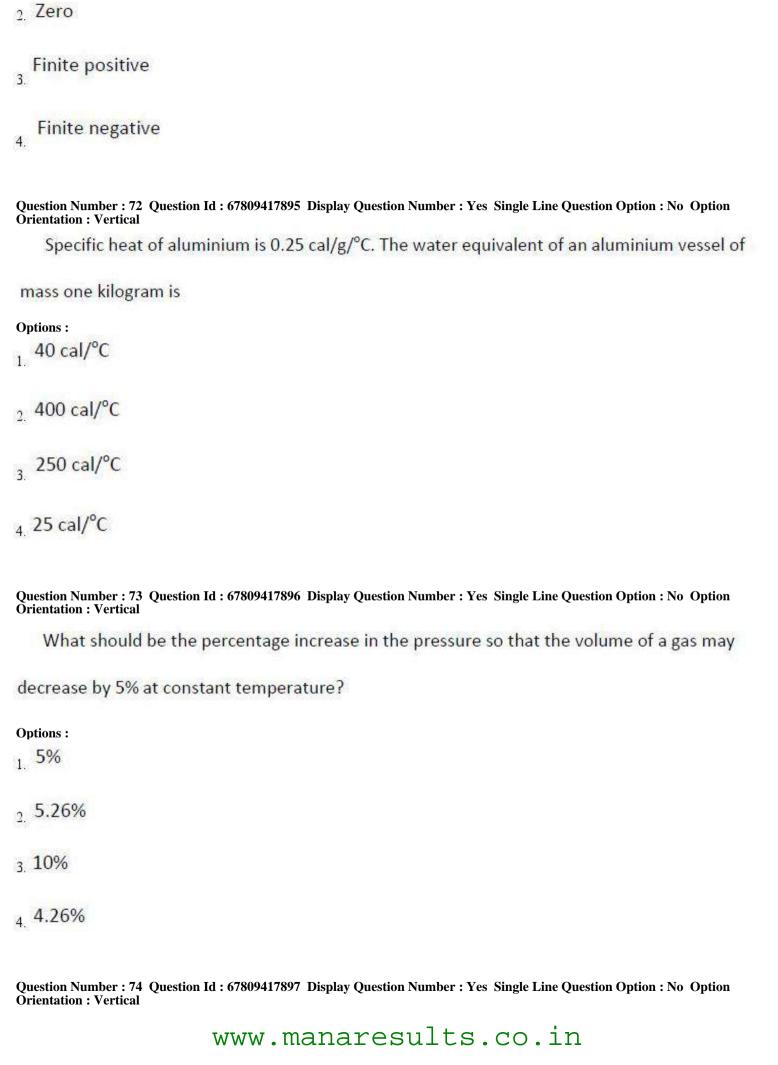
Options:

$$1. \pi^2 n^2 L$$

 $_{2} 2\pi^{2}n^{2}L$







function is 2.2 eV, then the waveler	ngth of incident radiation is
Options:	
1. 4000Å	
2. <mark>8000</mark> Å	
3. 3000Å	
4. 2000Å	
Orientation : Vertical	8 Display Question Number: Yes Single Line Question Option: No Option y is greater than the critical angle at the core — cladding
if the angle of incidence of a fa	y is greater than the critical angle at the core clauding
interface in an optical fiber, then t	he ray travels
Options:	
in the core	
2. in the cladding	
in the buffer	
along the interface	
	Chamieter
Number of Questions:	Chemistry 25
Display Number Panel:	Yes
Group All Questions:	No
Question Number: 76 Question Id: 67809417899 Orientation: Vertical	9 Display Question Number: Yes Single Line Question Option: No Option
Pauli's Exclusion principle state	es that two electrons in same orbital have
4	

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Options:

If the maximum kinetic energy of emitted photo electrons from a metal is 0.9 eV and work

same spins

different spins

opposite spins

vertical spins

Question Number: 77 Question Id: 67809417900 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

Orbits in which electrons move according to Bohr are

Options:

elliptical

2 cylindrical

3. circular

4 oval

Question Number: 78 Question Id: 67809417901 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

Phosphorus has an atomic number of 15. A stable phosphorus atom has an electronic configuration of

$$1s^22s^22p^63p^5$$

$$_{2}$$
 1s²2s²2p⁶3s²3p³

$$_{3.}1s^22s^22p^63s^23p^14s^2$$

$$_{4.} 1s^{2}1p^{6}1d^{7}$$

NaCl is classified as having what kind of bonds in the solid phase?
Options :
Covalent
2. Ionic
3 Polar
vander Waals
Question Number: 80 Question Id: 67809417903 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The Bond formed due to sharing of electrons is
Options :
Ionic bond
Metallic bond
Polar bond
Covalent bond
Question Number: 81 Question Id: 67809417904 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The normality of solution obtained by dissolving 5.3 grams of Na ₂ CO ₃ in 1 litre solution is
Options:
1N
2. 0.1N
a. 0.05N
0.5N

Question Number: 82 Question Id. 67809417903 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

The following solution has same molarity and normality
Options:
$_{1}$ Na ₂ CO ₃
2. NaCl
$_{3.}$ H_2SO_4
4. K ₂ Cr ₂ O ₇
Question Number: 83 Question Id: 67809417906 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
5 moles of a solute is dissolved in 10 litres of solution. What is its molarity?
Options:
1.5 M
2. 2M
3. 0.5M
4. 0.2M
Question Number : 84 Question Id : 67809417907 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Process in which acids (H ⁺) and bases (OH ⁻) react to form salts and water is called
Options:
Neutralization 1.
2. Halogenation
3. Hydrogenation
4 Hydrolysis
Question Number: 85 Question Id: 67809417908 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical WWW . Manager Sull's . Co. In

A substance that donates a pair of electrons to form coordinate covalent bond is called
Options:
Lewis acid
Lewis base
Bronsted-Lowry acid
Bronsted-Lowry base
Question Number: 86 Question Id: 67809417909 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
One Faraday is equal to
Options:
_{1.} 99650 C
2 93100 C
_{3.} 96500 C
4. 94500 C
Question Number: 87 Question Id: 67809417910 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The cell reaction of a cell is $Mg(s) + 2 H^{+}(aq) \rightarrow Mg^{2+}(aq) + H_{2}(g)$. If the standard reduction potential of Zn is -2.372 V , then the emf of the cell is
Options:
_{1.} +2.372 V
_{2.} – 2.372 V
3. 0.00 V
41.372 V
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Question Number : 88 Question Id : 67809417911 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Galvanic cells are the cells which convert
Options :
Electrical energy to chemical energy
Chemical energy to electrical energy
Chemical energy to free energy
Potential energy to kinetic energy
Question Number: 89 Question Id: 67809417912 Display Question Number: Yes Single Line Question Option: No Option Drientation: Vertical
Mass of substance produced at electrode is directly proportional to the quantity of electricity passed. This is known as
Options :
Faraday's second law
Faraday's first law
Newton's third law
Newton's first law
Question Number : 90 Question Id : 67809417913 Display Question Number : Yes Single Line Question Option : No Option Drientation : Vertical
Hardness of water is expressed in terms of equivalent of
Options :
Na ₂ CO ₃
K_2CO_3
$MgCO_3$
CaCO ₃ www.manaresults.co.in

Question Number: 91 Question Id: 67809417914 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Temporary hardness is caused by
Options:
Carbonates of calcium and magnesium
Chlorides of calcium and magnesium
Sulphates of calcium and magnesium
Nitrates of Calcium
Question Number: 92 Question Id: 67809417915 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The exhausted zeolite bed can be regenerated by washing with
Options: 1. NaCl
_{2.} dil. NaOH
3. dil. HCl
4. Distilled water
Question Number: 93 Question Id: 67809417916 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Corrosion is an example of
Options:
1. Oxidation
Reduction
Electrolysis
Halogenation www.manaresults.co.in

Question Number: 94 Question Id: 67809417917 Display Question Number: Yes Single Line Question Option: No Option The composition of rust is **Options:** 1. Fe(OH)3 2. FeCl₃ 3. FeO Fe₂O₃. xH₂O Question Number: 95 Question Id: 67809417918 Display Question Number: Yes Single Line Question Option: No Option **Orientation**: Vertical Which one of the following statement is not true? Natural rubber has the trans-configuration at every double bond Buna-S is a copolymer of butadiene and styrene Natural rubber is a 1, 4-polymer of isoprene In vulcanization, the formation of sulphur bridges between different chains makes rubber harder and stronger Question Number: 96 Question Id: 67809417919 Display Question Number: Yes Single Line Question Option: No Option The monomers of Buna-S rubber are **Options:** Styrene and butadiene

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Styrene and 2-propene

3. Isoprene and butadiene

Question Number: 97 Question Id: 67809417920 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical The plastics which soften when heat is applied with or without pressure, but require cooling to set them to shape are called as **Options:** Thermosofting materials Thermosetting materials Thermoplastic materials Thermostatting materials Question Number: 98 Question Id: 67809417921 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical** Which one of the following statement is not true about ideal fuel? **Options:** High calorific value , High moisture content 3 Low cost Moderate ignition temperature Question Number: 99 Question Id: 67809417922 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical** Environmental pollution affects **Options:** Humans only

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Styrene and sulphur

, Plants only

Biotic components

Both abiotic and biotic components

Question Number: 100 Question Id: 67809417923 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

Layer of atmosphere in which ozone layer lies is

Options:

- Troposphere
- 2 Stratosphere
- Exosphere
- 4. Mesosphere

Electronics and Communication Engineering

Number of Questions:100Display Number Panel:YesGroup All Questions:No

Question Number: 101 Question Id: 67809417924 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

One eV of energy is equal to

$$_{1.}$$
 1.6 × 10⁻¹⁸ J

$$_{2}$$
 1.6 × 10⁻¹⁹ J

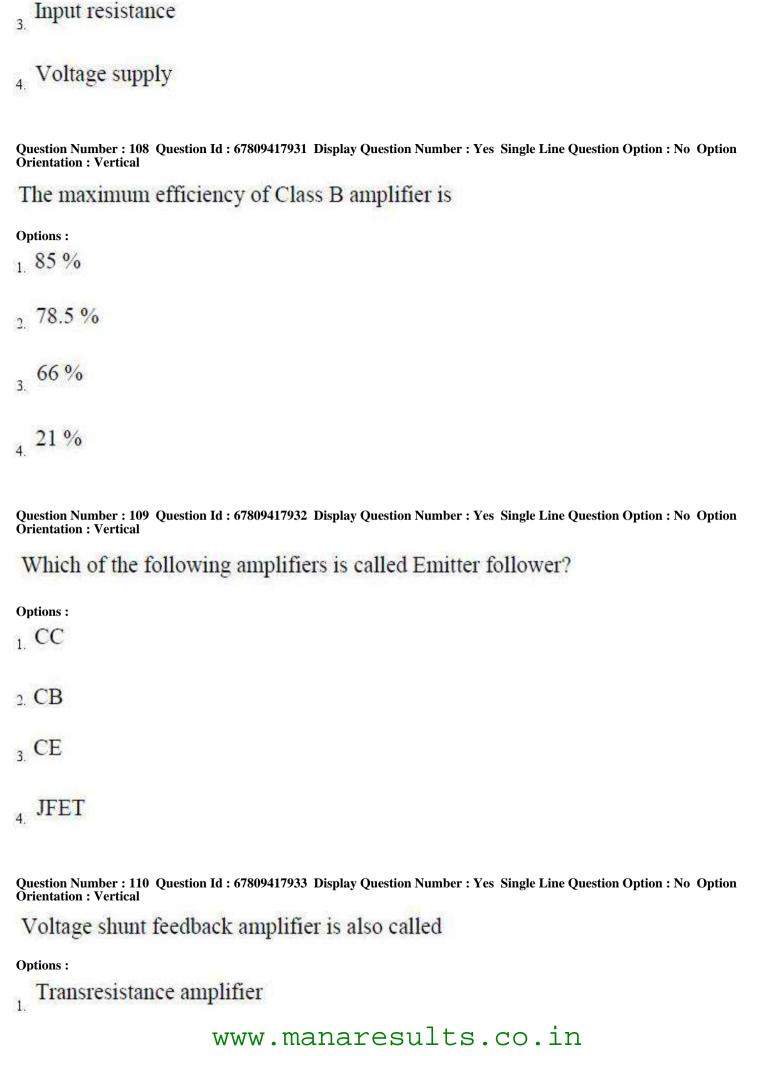
$$_3$$
 $9 \times 10^9 J$

$$_{4.}$$
 9 × 10⁻¹⁹ J

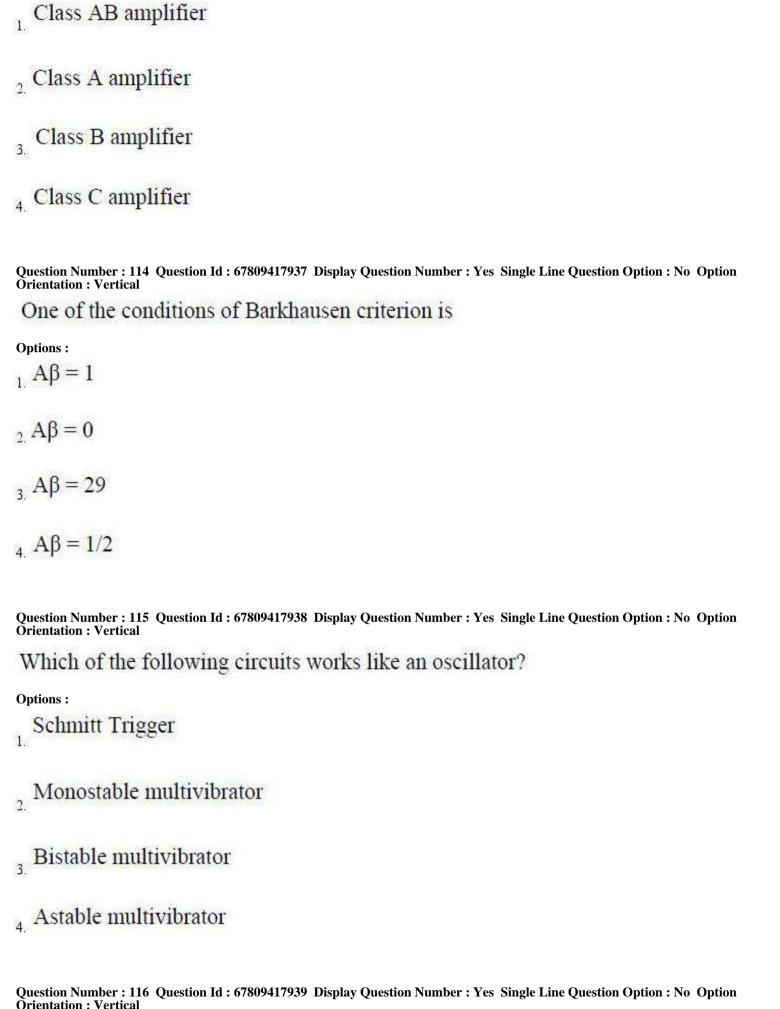
Question Number: 102 Question Id: 67809417925 Display Question Number: Yes Single Line Question Option: No Option In a semiconductor diode, the barrier potential offers **Options:** Opposition to minority carriers in N-region and majority carriers in P-region Opposition to majority carriers in both regions Opposition to minority carriers in both regions Opposition to minority carriers in P-region and majority carriers in N-region Question Number: 103 Question Id: 67809417926 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical** Hall effect is used to measure **Options:** Magnetic field intensity Barrier concentration Carrier concentration Electrostatic field intensity Question Number: 104 Question Id: 67809417927 Display Question Number: Yes Single Line Question Option: No Option The regulation of an ideal rectifier should be **Options:** negative infinity www.manaresults.co.in

3. 100%

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```
Transconductance amplifier
  Voltage amplifier
  Current amplifier
Question Number: 111 Question Id: 67809417934 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
Negative feedback is also known as
Options:
Direct feedback
  Regenerative feedback
  Degenerative feedback
 Reverse feedback
Question Number: 112 Question Id: 67809417935 Display Question Number: Yes Single Line Question Option: No Option
The output voltage of a CE amplifier is
  180° out of the phase with input
  90° out of the phase with input
same phase as that of the input
270° out of the phase with input
Question Number: 113 Question Id: 67809417936 Display Question Number: Yes Single Line Question Option: No Option
Crossover distortion con the observed inesults.co.in
```



The ratio of the resonant/fivequency torthes baildwighth is called

Selectivity
Quality factor
Susceptance 4.
Question Number: 117 Question Id: 67809417940 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Any two terminal networks consisting of one or more generators can be represented
with an EMF source in series with an impedance. This is the statement of
Options:
Norton's theorem
Reciprocity theorem
3. Thevenin's theorem
Compensation theorem
Question Number: 118 Question Id: 67809417941 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Superposition theorem can be applied to circuits only
Options:
1. Linear
2. Non linear
3. AC
4. DC

Sensitivity 1.

For maximum transfer of power, the internal resistance of the source should be			
Options: greater than load resistance			
2. lower than load resistance			
equal to load resistance			
4 zero			
Question Number : 120 Question Id : 67809417943 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical			
High pass RC circuit acts as an			
Options:			
Differentiator when RC is small			
Differentiator when RC is large			
Integrator when RC is large			
Integrator when RC is small			
Question Number: 121 Question Id: 67809417944 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical			
A clamping circuit adds component			
Options:			
1. AC			
$_{2.}$ DC			
3, both AC and DC			
4. neither AC nor DC			
ranarogulta ao in			

Question Number: 122 Question Id: 67809417945 Display Question Number: Yes Single Line Question Option: No Option In a transmission line, if the load is purely reactive, the value of SWR is equal to **Options:** infinity zero unity 4 100 Question Number: 123 Question Id: 67809417946 Display Question Number: Yes Single Line Question Option: No Option Loading of a transmission line is the process of **Options:** adding resistance to the line adding capacitance to the line adding conductance to the line adding inductance to the line Question Number: 124 Question Id: 67809417947 Display Question Number: Yes Single Line Question Option: No Option Orientation : Vertical The Q meter works on the principle of **Options:** series resonance parallel resonance 3. self inductance mutual inductance www.manaresults.co.in

Question Number: 125 Question Id: 67809417948 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical			
A VTVM has			
Options:			
high loading effect on purely resistive circuits			
negligible loading effect on circuits due to its high input impedance			
negligible loading effect on circuits due to its low input impedance			
low loading effect on inductive circuits			
Question Number: 126 Question Id: 67809417949 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical			
Multimeters generally do not have facility for the measurement of			
Options:			
frequency			
resistance			
current			
voltage			
Question Number: 127 Question Id: 67809417950 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical			
bridge is used for the precise measurement of inductances over a			
wide range			
Options:			
Wein's			
Anderson			
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```
4 Maxwell
Question Number: 128 Question Id: 67809417951 Display Question Number: Yes Single Line Question Option: No Option
Saw tooth voltage in CRO is produced using
Options:
  sweep generator
2 Colpitts oscillator
  Hartley oscillator
A RC phase shift oscillator
Question Number: 129 Question Id: 67809417952 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
A 10 MHz CRO has 10 MHz
Options:
1. sweep
supply frequency
vertical oscillator
horizontal oscillator
Question Number: 130 Question Id: 67809417953 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
A thermocouple is a type transducer
Options:
  variable resistance
  variable inductance www.manaresults.co.in
```

3. Hay's

```
voltage divider
Question Number: 131 Question Id: 67809417954 Display Question Number: Yes Single Line Question Option: No Option
An LED causes emission of light due to
Options:
  emission of electrons
generation of electromagnetic radiation
  conversion of heat energy into light energy
photovoltaic effect
Question Number: 132 Question Id: 67809417955 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
Once SCR starts conducting a forward current, its gate loses control over
Options:
  anode circuit voltage only
  anode circuit current only
  anode circuit voltage and current
  anode circuit voltage, current and time
Question Number: 133 Question Id: 67809417956 Display Question Number: Yes Single Line Question Option: No Option
 An inverter is a circuit which
Options:
  converts A.C power to D.C power
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```

3. voltage generating

converts A.C power to D.C power and vice-versa converts D.C power to A.C power Question Number: 134 Question Id: 67809417957 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical** Cyclo converters require **Options:** forced commutation in step-up cyclo converters forced commutation in both step-up and step-down cyclo converters forced commutation in step-down cyclo converters natural commutation in both step-up and step-down cyclo converters Question Number: 135 Question Id: 67809417958 Display Question Number: Yes Single Line Question Option: No Option In a communications system, noise is most likely to affect the signal **Options:** at the transmitter 2 in the channel in the information source in the destination Question Number: 136 Question Id: 67809417959 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical**

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2 inverts the wave form of an A.C voltage

If the modulation index of an AM wave is changed from 0 to 1, the transmitted
power is
Options:
unchanged
halved
increased by 50 percent
doubled 4.
Question Number: 137 Question Id: 67809417960 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Balanced modulation produces
Options:
1 DSB
2. AM
LIGH
3. VSB
4. SSB
4 33D
Question Number: 138 Question Id: 67809417961 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Which of the following is an indirect method of generating FM?
Options:
Varactor diade modulation
1. Varactor diode modulation
Armstrong modulation
2. Thiristions modulation
Reactance BJT modulator
3.
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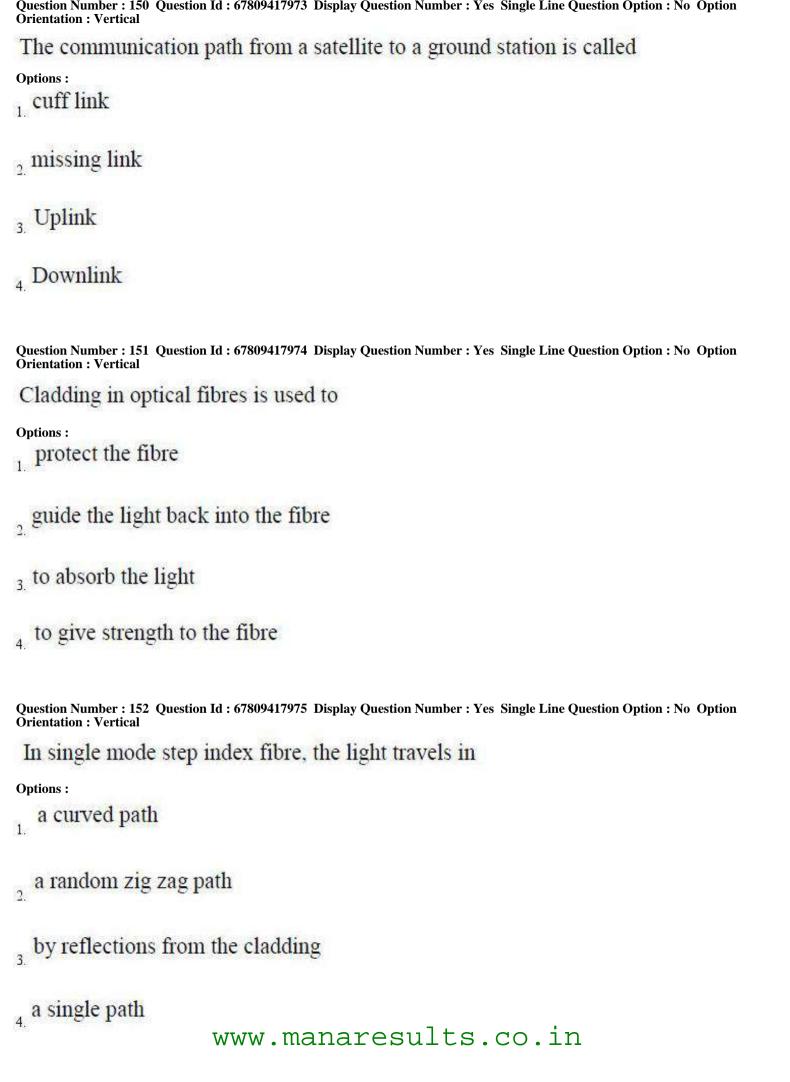
```
Reactive FM modulator
Question Number: 139 Question Id: 67809417962 Display Question Number: Yes Single Line Question Option: No Option
 Modulation index in an FM signal
  varies directly as frequency deviation and inversely as the modulation frequency
varies directly as the modulation frequency
  varies inversely as the deviation
 has no relation to frequency and modulation
Question Number: 140 Question Id: 67809417963 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
 A receiver producing an accurate reproduction of the modulating signal is said
 to have
Options:
wide bandwidth
good fidelity
 high sensitivity
better selectivity
Question Number: 141 Question Id: 67809417964 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
The frequency of microwaves is
Options:
  more than 2000 MHz
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```

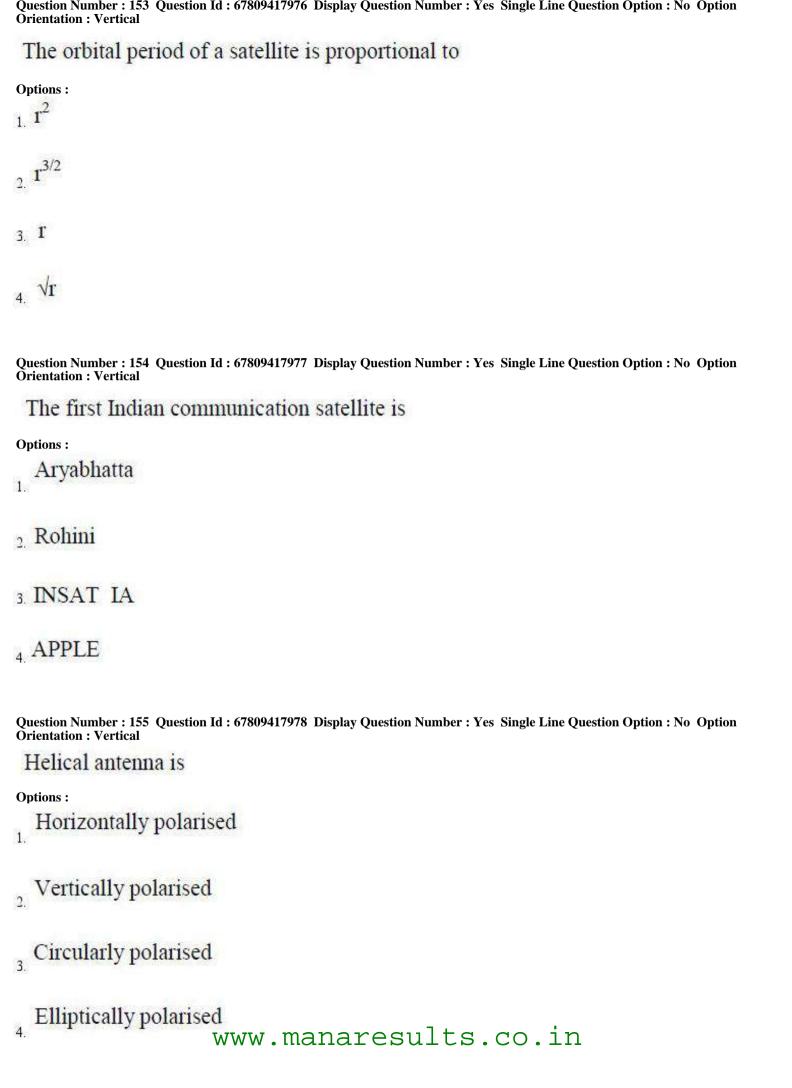
```
<sub>2</sub> 20 MHz to 50 MHz
<sub>3</sub> 15 MHz
4 15 KHz
Question Number: 142 Question Id: 67809417965 Display Question Number: Yes Single Line Question Option: No Option
 The Nyquist rate of a signal with maximum frequency f<sub>m</sub> is
Options:
fm samples/sec
1/f<sub>m</sub> samples/sec
1.5f<sub>m</sub> samples/sec
<sup>4</sup> 2f<sub>m</sub> samples/sec
Question Number: 143 Question Id: 67809417966 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
  Quantization noise occurs in
Options:
<sub>1</sub> FM
, PPM
3 PCM
4 PWM
Question Number: 144 Question Id: 67809417967 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
 The modulation technique that uses the minimum channel bandwidth and
  transmitted power is www.manaresults.co.in
Options:
```

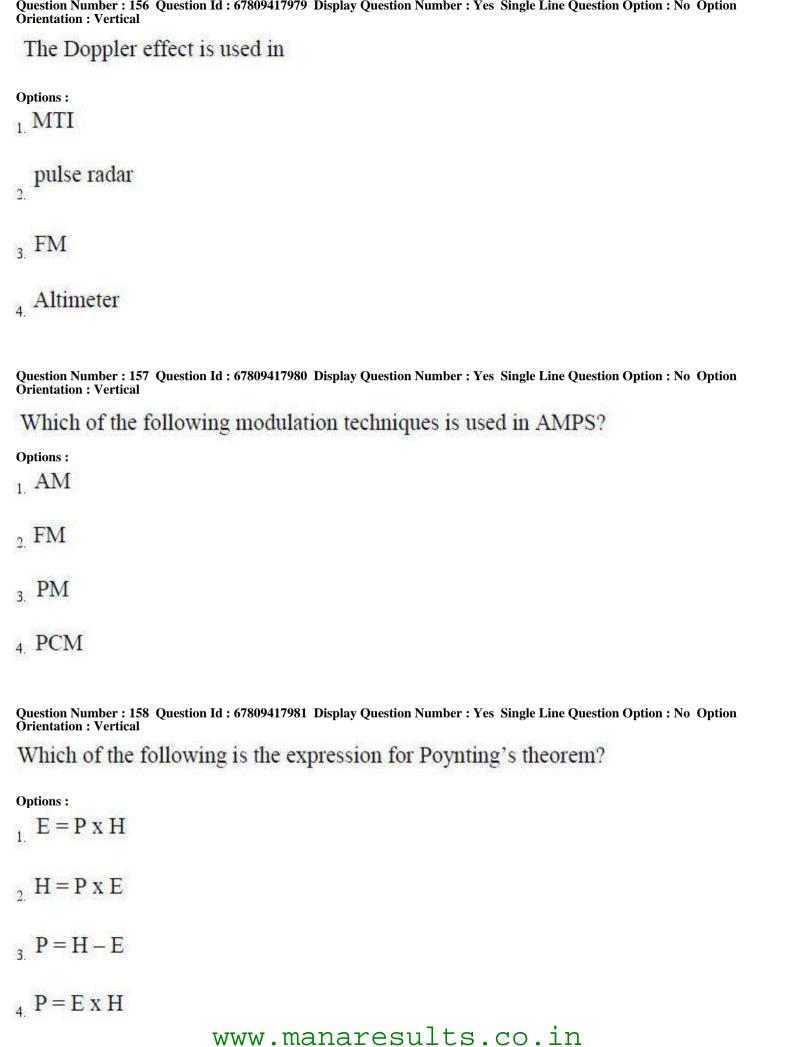
Frequency Modulation
Double side band suppressed carrier modulation
vestigial side band modulation
single side band modulation
Question Number: 145 Question Id: 67809417968 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Electrical length of an antenna is
Options:
Equal to its physical length
Smaller than its physical length
Greater than its physical length
May be greater or smaller than its physical length depending on the
frequency of radiation 4.
Question Number: 146 Question Id: 67809417969 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The gain of an isotropic antenna in dB is
Options:
1. 0
2 1
3. 10
4 100

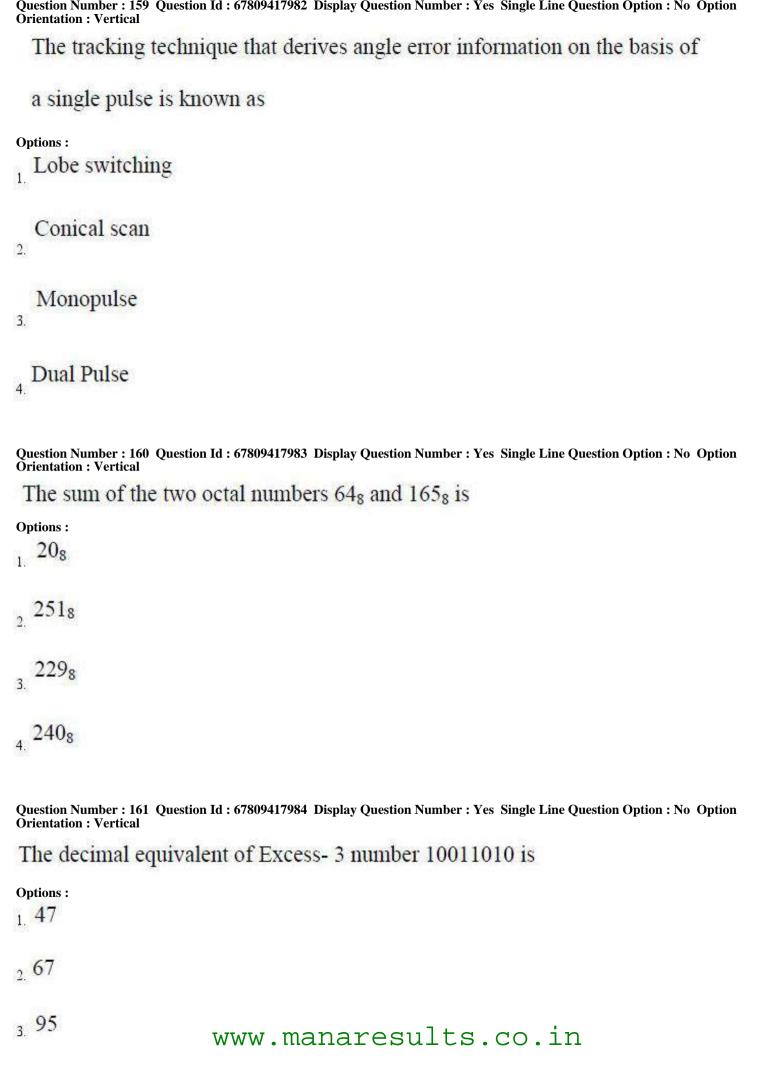
Question Number: 147 Question IN: 1078 10941 1976 Display Question Number Syes Gingle Line Question Option: No Option Orientation: Vertical

The dominant mode in circular wave guide is
Options: 1. TE ₁₁
2. TE ₀₁
$_{3.}$ $^{\mathrm{TM}_{01}}$
$_{4}$ $^{\mathrm{TM}_{11}}$
Question Number: 148 Question Id: 67809417971 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The K band frequenncy range of radars is
Options:
1. 8 to 12 GHz
2. 12 to 18 GHz
₃ 18 to 27 GHz
_{4.} 25 to 44 GHz
Question Number: 149 Question Id: 67809417972 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The blind speed problem in radars can be solved by
Options:
using monopulse
varying the Pulse Repetition Frequency
using MTI
changing the doppler frequency
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Question Number: 162 Question Id: 67809417985 Display Question Number: Yes Single Line Question Option: No Option **Orientation: Vertical** Which of the following is an universal gate? **Options:** EX-OR gate , AND gate 3. NAND gate 4 OR gate Question Number: 163 Question Id: 67809417986 Display Question Number: Yes Single Line Question Option: No Option Which of the following is the slowest logic family? **Options:** 1 PMOS 2 CMOS 3 ECL 4. TTL Question Number: 164 Question Id: 67809417987 Display Question Number: Yes Single Line Question Option: No Option The full adder can be constructed using two half adders and one **Options:** AND gate

OR gate

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2. NAND gate

```
Question Number: 165 Question Id: 67809417988 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
 When both the J and K inputs of an edge triggered JK flip flop are 1, then
 the flip flop is in
Options:
  Race around condition
  Synchronous condition
Toggle condition
  Reset condition
Question Number: 166 Question Id: 67809417989 Display Question Number: Yes Single Line Question Option: No Option
The minimum number of flip flops required to count up to 15 is
Options:
1.5
2.4
3.6
4. 3
Question Number: 167 Question Id: 67809417990 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
 A flip flop is used to store
Options:
a word
2 a byte
                         www.manaresults.co.in
```

NOT gate

```
3 a bit
4 a nibble
Question Number: 168 Question Id: 67809417991 Display Question Number: Yes Single Line Question Option: No Option
Orientation : Vertical
 One of the advantages of a dynamic RAM is
  it needs to be refreshed periodically
  it is small and occupies less space
   it has a large access time
it makes use of MOSFETs
Question Number: 169 Question Id: 67809417992 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
  The time taken by a DAC to stabilize to within ½ LSB of its final value is
  termed
Options:
cycle time
2 acquisition time
3. settling time
  access time
Question Number: 170 Question Id: 67809417993 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
 In 8051 external interrupts are controlled by
Options:
SCON
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```

₂ ECON		
3. IE		
4. IP		
Question Number: 171 Question Id: 67809417994 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical Length of the program counter in 8051 is Options: 1. 16 bits 2. 32 bits 3. 48 bits		
8 bits		
Question Number: 172 Question Id: 67809417995 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical MOV A, 40H belongs to addressing mode Options: immediate		
2. indexed		
3. register indirect		
4. direct		
Question Number: 173 Question Id: 67809417996 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical Number of addressing modes in 8051 is		
Options:		
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4. 16
Question Number: 174 Question Id: 67809417997 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
PIC 8259 is a pin chip
Options:
1. 28
2. 32
3. 36
4 40
Question Number: 175 Question Id: 67809417998 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The register in the 8085A that is used to keep track of the memory address
of the next op-code to be run in the program is the
Options: stack pointer
2. instruction pointer
3. accumulator
program counter
Question Number: 176 Question Id: 67809417999 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
The 8085(A) is a
Options:
1. 16 bit parallel CPU
8 bit parallel CPU TATTAT managedults co in

3. 12

```
16 bit serial CPU
8 bit serial CPU
Question Number: 177 Question Id: 67809418000 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
 The five flags in 8085 are designated as
Options:
D, Z, S, P and AC
, Z, CY, S, P and AC
3 Z, C, S, P and AC
<sub>4</sub> Z, CY, S, D and AC
Question Number: 178 Question Id: 67809418001 Display Question Number: Yes Single Line Question Option: No Option
A dedicated Intel keyboard/display controller is
Options:
8251
2 8259
3.8279
4 8237
Question Number: 179 Question Id: 67809418002 Display Question Number: Yes Single Line Question Option: No Option
Orientation: Vertical
RS 232 standard is meant for
Options:
Serial Data Transfer
Parallel Data Transfer
```

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4 Data Encryption
Question Number: 180 Question Id: 67809418003 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The three primary colors are
Options:
red, blue and green 1.
2. red, orange and blue
red, green and yellow
red, yellow and blue
Question Number: 181 Question Id: 67809418004 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The aspect ratio in the TV system is
Options:
Ratio of raster height to the raster width
Ratio of raster width to the raster height
3. Ratio of raster diagonal to the raster width
Ratio of raster diagonal to the raster height
Question Number: 182 Question Id: 67809418005 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Flyback is the name given to in a TV
Options:
Horizontal retrace
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Random Data Transfer

Vertical retrace	
3. Diagonal retrace	
4. Burst	
Question Number : 183 Question Orientation : Vertical	on Id: 67809418006 Display Question Number: Yes Single Line Question Option: No Option
In a low level AM tra	ansmitter, the stage following the modulator is
Options:	
Harmonic generator	
Class C amplifier	
Non linear amplifier	r
Linear amplifier	
Question Number : 184 Question Orientation : Vertical	on Id: 67809418007 Display Question Number: Yes Single Line Question Option: No Option
An MP3 file encoded	d at a lower bit rate will generally play back at
Options:	
Higher quality	
Lower quality	
3. Same quality	
4. No relation with qua	ality
Question Number : 185 Question Orientation : Vertical	on Id: 67809418008 Display Question Number: Yes Single Line Question Option: No Option
Which of the following	ng topologies requires a multi point connection?
Options:	
1. Star	www.manaresults.co.in

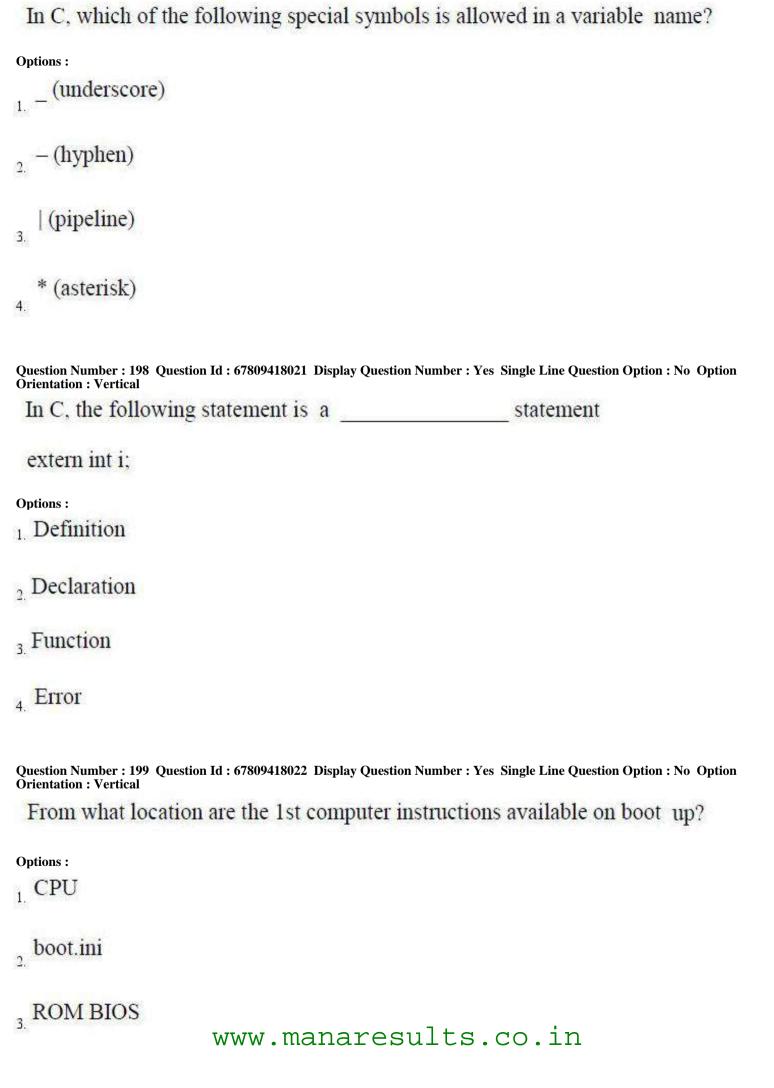
2. Ring
3. Bus
4. Mesh
Question Number: 186 Question Id: 67809418009 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
In OSI Model, thelayer lies between transport layer and the application
layer
Options:
Session layer
Network layer
Data link layer
Physical layer
Question Number: 187 Question Id: 67809418010 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
The address uniquely defines a host on the Internet.
Options:
physical
2. logical
MAC 3.
4. IP
Question Number: 188 Question Id: 67809418011 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
IEEE standard describes the token ring
Options: www.manaresults.co.in

1. 802.11	
2, 802.5	
3. 802.3	
4. 802.1	
Question Number: 189 Question Id: 67809418012 D Orientation: Vertical	Display Question Number: Yes Single Line Question Option: No Option
GPRS is an extension of	system.
Options:	
1. GSM	
_{2.} CDMA	
3. WCDMA	
4. OFDM	
Question Number: 190 Question Id: 67809418013 D Orientation: Vertical	Display Question Number: Yes Single Line Question Option: No Option
The switching technique used in AT	M is
Options :	
1. Circuit switching	
2. packet switching	
Message switching	
Virtual circuit switching	
Question Number: 191 Question Id: 67809418014 D Orientation: Vertical	Display Question Number: Yes Single Line Question Option: No Option
	age used for creating web pages?

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1. VHDL
₂ HTML
3. HTTP
4. MATLAB
Question Number: 192 Question Id: 67809418015 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Which of the following is standardised as IEEE 1364?
Options: C 1.
2 C++
_{3.} Java
4. Verilog
Question Number: 193 Question Id: 67809418016 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Which level simulates the algorithms that are used within the embedded systems?
Options: Gate level
2. Switch level
Algorithmic level
4. Circuit level
Question Number: 194 Question Id: 67809418017 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Ontions:

Twister Pair
2. Fibre Cable
Microwave component
Coaxial cable
Question Number: 195 Question Id: 67809418018 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical
Which version of Verilog is known as System Verilog?
Options: Verilog Version 1.0
Verilog Version 1.5
Verilog Version 2.0
4. Verilog Version 3.0
Question Number: 196 Question Id: 67809418019 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical Verilog HDL originated at
Gateway Design Automation
2. AT&T Bell laboratories
Defense Advanced Research Projects Agency(DARPA)
Institute of Electrical and Electronics Engineers(IEEE)



4. CONFIG.SYS

Question Number: 200 Question Id: 67809418023 Display Question Number: Yes Single Line Question Option: No Option Orientation: Vertical

A hard disk is divided into tracks which are further subdivided into

Options:

clusters

2. heads

vectors 3.

sectors