Question Paper Preview

Question Paper Name :	Computer Science and Engineering 14th Sep 2020 S1
Subject Name :	Computer Science and Engineering
Duration :	180
Total Marks :	200
Display Marks:	No
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	Yes
Is this Group for Examiner? :	No

Mathematics

Section Number :	1
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	50
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes

Question Number : 1 Question Id : 61097513629 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If $\begin{vmatrix} 15-x & 11 & 10 \\ 11-3x & 17 & 16 \\ 7-x & 14 & 13 \end{vmatrix}$=0 then the value of x is

Options :

1. 6

2. 5

3. 7

4. -6

Question Number : 2 Question Id : 61097513630 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The co-factors of the elements 2,-5 in the matrix $\begin{pmatrix} -1 & 0 & 5 \\ 1 & 2 & -2 \\ -4 & -5 & 3 \end{pmatrix}$ is

Options :

1. 16,3

2. 17,-3

3. 17,3

4. -17,-3

Question Number : 3 Question Id : 61097513631 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The solution of the following simultaneous linear equations by using Cramer's rule $3x+4y+5z=18$; $2x-y+8z=13$; $5x-2y+7z=20$ is

Options :

1. -3,-1,1

2. 3,1,1

3. 3,0,1

4. 3,1,-1

Question Number : 4 Question Id : 61097513632 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If $A = \begin{pmatrix} 0 & 4 & -2 \\ -4 & 0 & 8 \\ 2 & -8 & x \end{pmatrix}$ is a skew symmetric matrix then the value of x is

Options :

1. 1

2. -8

3. -4

4. 0

Question Number : 5 Question Id : 61097513633 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

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

Options :

1. $\begin{pmatrix} 0 & 4 & -2 \\ 4 & -2 & 8 \\ 2 & -8 & 0 \end{pmatrix}$

2. $\begin{pmatrix} 7 & -3 & -3 \\ -1 & 1 & 0 \\ -1 & 0 & 1 \end{pmatrix}$

3. $\begin{pmatrix} 7 & 3 & 3 \\ 1 & 1 & 0 \\ 1 & 0 & 1 \end{pmatrix}$

4. $\begin{pmatrix} 5 & 4 & 2 \\ 4 & 2 & 8 \\ 2 & -8 & 0 \end{pmatrix}$

Question Number : 6 Question Id : 61097513634 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Resolve the rational function $\frac{5x+1}{(x+2)(x-1)}$ into partial fractions

Options :

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

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

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

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

Question Number : 7 Question Id : 61097513635 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Resolve the rational function $\frac{x^3}{(x^2+1)^2}$ into partial fractions

Options :

1. $\frac{x}{x^2+1}+\frac{x}{(x^2+1)^2}$

2. $\frac{x}{x^2-1}-\frac{x}{(x^2+1)^2}$

3. $\frac{x}{x^2+1}-\frac{x}{(x^2-1)^2}$

4. $\frac{x}{x^2+1}-\frac{x}{(x^2+1)^2}$

Question Number : 8 Question Id : 61097513636 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Suppose that A, B, C are positive and $A + B + C = 90^0$ then the value of $\sum tanA\, tanB$ is

Options :

1. -1

2. -2

3. 1

4. 3

Question Number : 9 Question Id : 61097513637 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The value of $cos100^0 cos40^0 + sin100^0 sin40^0$ is

Options :

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

2. $-\frac{1}{2}$

3. $\frac{1}{4}$

4. $\frac{1}{8}$

Question Number : 10 Question Id : 61097513638 Question Type : MCQ Display Question

Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If $\frac{cos\alpha}{a} = \frac{sin\alpha}{b}$ then the value of $acos2\alpha + bsin2\alpha$ is

Options :

1. $-a$

2. b

3. a

4. $-a$

Question Number : 11 Question Id : 61097513639 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If $x + \frac{1}{x} = 2cos\theta$ then the value of $x^3 + \frac{1}{x^3}$ is

Options :

1. $2cos3\theta$

2. $2cos2\theta$

3. $3cos3\theta$

4. $2sin3\theta$

Question Number : 12 Question Id : 61097513640 Question Type : MCQ Display Question

Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If $sinx + siny = \frac{1}{4}$ and $cosx + cosy = \frac{1}{3}$ then the value of $tan\left(\frac{x+y}{2}\right)$ is

Options :

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

2. $\frac{5}{4}$

3. $\frac{7}{4}$

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

Question Number : 13 Question Id : 61097513641 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The general solution for $\sqrt{3}cos\theta = sin\theta$ is

Options :

1. $-n\pi + \frac{\pi}{3}$

2. $n\pi + \frac{\pi}{3}$

3. $n\pi - \frac{\pi}{3}$

4. $n\pi + \frac{2\pi}{3}$

Question Number : 14 Question Id : 61097513642 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The common solution for $cos\theta = -\frac{1}{\sqrt{2}}, tan\theta = -1$ is

Options :

1. $n\pi + \frac{2\pi}{3}$

2. $2n\pi + \frac{5\pi}{3}$

3. $5n\pi + \frac{\pi}{3}$

4. $2n\pi + \frac{3\pi}{4}$

Question Number : 15 Question Id : 61097513643 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If x is an acute angle and $sin(x + 10^0) = cos(3x - 68^0)$ then the value of x is

Options :

1. -37^0

2. 37^0

3. 38^0

4. 10^0

Question Number : 16 Question Id : 61097513644 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The value of $tan^{-1}(2) + tan^{-1}(3)$ is

Options :

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

2. $\frac{3\pi}{5}$

3. $\frac{5\pi}{4}$

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

Question Number : 17 Question Id : 61097513645 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The value of $cos\left[sin^{-1}\left(\frac{1}{2}\right) + cos^{-1}\left(-\frac{\sqrt{3}}{2}\right)\right]$ is

Options :

1. 0

2. 1

3. 3

4. -1

Question Number : 18 Question Id : 61097513646 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The modulus of the complex number $\left(-1-\sqrt{3}i\right)$ is

Options :

1. 1

2. 6

3. 2

4. 4

Question Number : 19 Question Id : 61097513647 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The value of $\left(\frac{\sqrt{3}}{2}+\frac{i}{2}\right)^5-\left(\frac{\sqrt{3}}{2}-\frac{i}{2}\right)^5$ is

Options :

1. i

2. $-i$

3. $2i$

4. $-3i$

Question Number : 20 Question Id : 61097513648 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The radius of the circle of the equation $x^2 + y^2 - 4x - 8y - 41 = 0$ is

Options :

1. $\sqrt{31}$

2. $\sqrt{41}$

3. $\sqrt{71}$

4. $\sqrt{61}$

Question Number : 21 Question Id : 61097513649 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If the line $2y = 5 + k$ is a tangent to the parabola $y^2 = 6x$ then the value of k is

Options :

1. $\frac{2}{5}$

2.

$\frac{3}{5}$

3. $\frac{6}{5}$

4. $\frac{7}{5}$

Question Number : 22 Question Id : 61097513650 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The length of latus rectum of the ellipse $9x^2 + 16y^2 = 144$ is

Options :

1. $\frac{7}{2}$

2. $\frac{9}{2}$

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

4. $\frac{5}{2}$

Question Number : 23 Question Id : 61097513651 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The centre of the hyperbola $4x^2 - 5y^2 - 16x + 10y + 31 = 0$ is

Options :

1. $(2,1)$

2. $(3,1)$

3. $(-2,1)$

4. $(2,-1)$

Question Number : 24 Question Id : 61097513652 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The angle between two tangents drawn from the point $(1,4)$ to the parabola $y^2 = 12x$ is

Options :

1. $tan^{-1}(2)$

2. $tan^{-1}(3)$

3. $tan^{-1}(5)$

4. $tan^{-1}\left(\frac{1}{2}\right)$

Question Number : 25 Question Id : 61097513653 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The length of the tangent from $(1,3)$ to the circle $x^2 + y^2 - 2x + 4y - 11 = 0$ is

Options :

1. -3

2. 3

3. 5

4. 4

Question Number : 26 Question Id : 61097513654 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The value of $\lim_{x\to 0}\left(\frac{\sqrt{1+x}-1}{x}\right)$ is

Options :

1. $\frac{1}{3}$

2. $-\frac{1}{3}$

3. $\frac{1}{5}$

4. $\frac{1}{2}$

Question Number : 27 Question Id : 61097513655 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option

Orientation : Vertical

The derivative of $f(x) = \frac{a-x}{a+x}$ $(x \neq -a)$ is

Options :

1. $\frac{-2a}{(a+x)^2}$

2. $\frac{2a}{(a+x)^2}$

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

4. $\frac{2a}{(a-x)^2}$

Question Number : 28 Question Id : 61097513656 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If $x = a\left[\cos t + log\left(tan\frac{t}{2}\right)\right]$, $y = a\sin t$ then $\frac{dy}{dx}$ is

Options :

1. $-\tan t$

2. $\tan t$

3. $\tan t + \sin t$

4. $\sin t$

Question Number : 29 Question Id : 61097513657 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If an error of 3% occurs in measuring the side of a cube then the percentage error in its volume is

Options :

1. -9

2. 7

3. 8

4. 9

Question Number : 30 Question Id : 61097513658 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The slope of the tangent to the curve $y = 5x^2$ at the point $x = -1$ is

Options :

1. 10

2. 7

3. -10

4. -9

Question Number : 31 Question Id : 61097513659 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The angle between the curves $xy = 2$ and $x^2 + 4y = 0$ is

Options :

1. $-tan^{-1}(3)$

2. $tan^{-1}(3)$

3. $sin^{-1}(3)$

4. $cos^{-1}(3)$

Question Number : 32 Question Id : 61097513660 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

For all values of a and b, $f(x) = x^3 + 3ax^2 + 3a^2x + 3a^3 + b$ is

Options :

1. Increasing only

2. Decreasing only

3. Increasing and Decreasing

4. maximum

Question Number : 33 Question Id : 61097513661 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The minimum value of $f(x) = 4x^2 - 4x + 11$ for any x in R is

Options :

1. $-10 \ at \ x = \frac{1}{2}$

2. $10 \ at \ x = -\frac{1}{2}$

3. $8 \ at \ x = \frac{1}{2}$

4. $10 \ at \ x = \frac{1}{2}$

Question Number : 34 Question Id : 61097513662 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If $z = log(\tan x + \tan y)$ then $(\sin 2x)\frac{\partial z}{\partial x} + (\sin 2y)\frac{\partial z}{\partial y}$ is

Options :

1. 2

2. -2

3. 4

4. 6

Question Number : 35 Question Id : 61097513663 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If $u = tan^{-1}\left(\frac{x^3+y^3}{x+y}\right)$ then $x\frac{\partial u}{\partial x} + y\frac{\partial u}{\partial y}$ is

Options :

1. $-\frac{1}{2}\sin 2u$

2. $-\frac{1}{2}\cos 2u$

3. $\frac{1}{2}\sin 2u$

4. $\frac{1}{2}\tan 2u$

Question Number : 36 Question Id : 61097513664 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The value of $\int sin^2x\, dx$ on R is

Options :

1. $\frac{x}{2} + \frac{\sin 2x}{4} + c$

2. $\frac{x}{2} - \frac{\sin 3x}{4} + c$

3. $\frac{x}{2}-\frac{\cos 2x}{4}+c$

4. $\frac{x}{2}-\frac{\sin 2x}{4}+c$

Question Number : 37 Question Id : 61097513665 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The value of $\int x\sqrt{x}\,dx$ on $(0,\infty)$ is

Options :

1. $\frac{2}{5}x^{5/2}+c$

2. $-\frac{2}{5}x^{5/2}+c$

3. $\frac{2}{5}x^{-5/2}+c$

4. $\frac{2}{3}x^{3/2}+c$

Question Number : 38 Question Id : 61097513666 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The value of $\int_0^2 \sqrt{4-x^2}\,dx$ is

Options :

1.

$\frac{\pi}{2}$

2. $-\frac{\pi}{2}$

3. π

4. $-\pi$

Question Number : 39 Question Id : 61097513667 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The value of $\int_{\pi/6}^{\pi/3} \frac{\sqrt{\sin x}}{\sqrt{\sin x}+\sqrt{\cos x}} dx$ is

Options :

1. $\frac{\pi}{2}$

2. $\frac{\pi}{12}$

3. $-\frac{\pi}{12}$

4. π

Question Number : 40 Question Id : 61097513668 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option

Orientation : Vertical

The area enclosed by the curves $y = 3x$ and $y = 6x - x^2$ in square units is

Options :

1. $\frac{7}{2}$

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

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

4. $\frac{9}{2}$

Question Number : 41 Question Id : 61097513669 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The value of $\int \frac{e^x(1+x)}{(2+x)^2}\,dx$ on $I \in R \setminus \{-2\}$ is

Options :

1. $\frac{e^x}{2+x} + c$

2. $-\frac{e^x}{2+x} + c$

3. $\frac{e^x}{2-x} + c$

4. $\frac{e^{3x}}{2+x} + c$

Question Number : 42 Question Id : 61097513670 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The value of $\int \frac{1}{1+4x^2}\,dx$ on R is

Options :

1. $-\frac{1}{2}tan^{-1}(2x)+c$

2. $\frac{1}{2}tan^{-1}(5x)+c$

3. $-\frac{1}{2}tan^{-1}(x)+c$

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

Question Number : 43 Question Id : 61097513671 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The value of $\int \frac{2x^2-5x+1}{x^2(x^2-1)}\,dx$ is

Options :

1. $\frac{1}{x}+\log\left|\frac{x^5}{(x^2-1)(x+1)^3}\right|+C$

2. $\frac{1}{x}-\log\left|\frac{x^5}{(x^2-1)(x+1)^3}\right|+C$

3. $\frac{1}{x}+\log\left|\frac{x^5}{(x^2+1)(x+1)^3}\right|+C$

4. $\frac{1}{x}-\log\left|\frac{x^5}{(x^2+1)(x+1)^3}\right|+C$

Question Number : 44 Question Id : 61097513672 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

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

Options :

1. $(x+2y)^2+2x=c$

2. $(x-2y)^2-2x=c$

3. $(x-2y)^2+2x=c$

4. $(x-4y)^2+2x=c$

Question Number : 45 Question Id : 61097513673 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The solution of the homogeneous differential equation $xy^2\,dy-(x^3+y^3)\,dx=0$ is

Options :

1. $y^3=-3x^3\log(xc)$

2. $y^3 = 3x^3\log(x/c)$

3. $y^3 = 3x^3\log(x^2c)$

4. $y^3 = 3x^3\log(xc)$

Question Number : 46 Question Id : 61097513674 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The solution of the linear differential equation $\frac{dy}{dx} + y\cot x = \cos x$ is

Options :

1. $y - \sin x = -\frac{\cos 2x}{4} + c$

2. $y/\sin x = -\frac{\cos 2x}{4} + c$

3. $y\sin x = -\frac{\cos 2x}{4} + c$

4. $y\sin x = \frac{\cos 2x}{4} + c$

Question Number : 47 Question Id : 61097513675 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The solution of Bernoulli's equation $x^3\frac{dy}{dx} - x^2y = -y^4\cos x$ is

Options :

1. $\frac{x^3}{y^3} = 3\sin x + c$

2. $\frac{x^3}{y^3} = -3\sin x + c$

3. $\frac{x^3}{y^3} = 3\sin x^3 + c$

4. $\frac{x^4}{y^4} = 3\sin x + c$

Question Number : 48 Question Id : 61097513676 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The particular integral for the differential equation $(D^2 + 3D + 2)y = 12x^2$ is

Options :

1. $6x^2 + 18x - 21$

2. $6x^2 - 18x + 21$

3. $-6x^2 + 18x - 21$

4. $6x^2 + 18x + 21$

Question Number : 49 Question Id : 61097513677 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The particular integral for the differential equation $6\frac{d^2y}{dx^2} + 17\frac{dy}{dx} + 12y = e^{-x}$ is

Options :

1. $-e^{-x}$

2. e^{x}

3. e^{-2x}

4. e^{-x}

Question Number : 50 Question Id : 61097513678 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The particular integral for the differential equation $(D^2 - 4D + 13)y = \cos 2x$ is

Options :

1. $\frac{1}{145}(9\cos 2x - 8\sin 2x)$

2. $\frac{1}{145}(9\cos 2x + 8\sin 2x)$

3. $\frac{1}{145}(-9\cos 2x - 8\sin 2x)$

4. $\frac{1}{135}(9\cos 2x - 8\sin 2x)$

Physics

Section Number :	2
Mandatory or Optional :	Mandatory
Number of Questions :	25
Number of Questions to be attempted :	25
Section Marks :	25
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes

Question Number : 51 Question Id : 61097513679 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Young's modulus of steel is 2×10^{11} N/m^2. Its value in dyne/cm^2 is

Options :

1. 2×10^{12}

2. 2×10^{10}

3. 2×10^{8}

4. 2×10^{-11}

Question Number : 52 Question Id : 61097513680 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Dimension of velocity gradient is

Options :

1. $[M^0L^0T^{-1}]$

2. $[ML^{-1}T^{-1}]$

3. $[M^0LT^{-1}]$

4. $[ML^0T^{-1}]$

Question Number : 53 Question Id : 61097513681 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Unit vector parallel to the resultant of vectors $A = 4\hat{\imath} - 3\hat{\jmath}$ and $B = 8\hat{\imath} + 8\hat{\jmath}$ will be

Options :

1. $\frac{24\hat{\imath}+5\hat{\jmath}}{13}$

2. $\frac{12\hat{\imath}+5\hat{\jmath}}{13}$

3. $\frac{6\hat{i}+5\hat{j}}{13}$

4. $\frac{12\hat{i}-5\hat{j}}{13}$

Question Number : 54 Question Id : 61097513682 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The resultant of two forces 3P and 2P is R. If the first force is doubled, then the resultant is also doubled. The angle between the two forces is

Options :

1. 60^0

2. 120^0

3. 30^0

4. 135^0

Question Number : 55 Question Id : 61097513683 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

A particle is projected vertically upward with a speed of 40 m/s, then the velocity of the particle 2 seconds before it reaches the maximum height is (Take g = 10 m/s^2)

Options :

1.

$20\ m/s^2$

2. $4.2\ m/s^2$

3. $9.8\ m/s^2$

4. $10\ m/s^2$

Question Number : 56 Question Id : 61097513684 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

A car moving with constant acceleration covered the distance between two points 60 m apart in 6 s. Its speed as it passes the second point was 15 m/s. The acceleration is

Options :

1. $\frac{1}{3}ms^{-2}$

2. $\frac{2}{3}ms^{-2}$

3. $\frac{3}{5}ms^{-2}$

4. $\frac{5}{3}ms^{-2}$

Question Number : 57 Question Id : 61097513685 Question Type : MCQ Display Question

Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

A stone is thrown vertically upwards. When stone is at half of its maximum height, its speed is 10 ms^{-1}; then the maximum height attained by the stone is ($g=10m/s^2$)

Options :

1. 25m

2. 10m

3. 15m

4. 20m

Question Number : 58 Question Id : 61097513686 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Identify the correct statement.

Options :

1. Static friction depends on the area of contact.

2. Kinetic friction depends on the area of contact.

3. Coefficient of static friction does not depend on the area of the surface in contact.

4. Coefficient of kinetic friction is less than the coefficient of static friction.

Question Number : 59 Question Id : 61097513687 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The coefficient of friction between the tyres and the road is 0.25. The maximum speed with which a car can be driven round a curve of radius 40 m without skidding is (assume $g=10m/s^2$)

Options :

1. $40\ ms^{-1}$

2. $20\ ms^{-1}$

3. $15\ ms^{-1}$

4. $10\ ms^{-1}$

Question Number : 60 Question Id : 61097513688 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

During a projectile motion, if the maximum height is equal to the horizontal range, then the angle of projection with the horizontal is

Options :

1. $\tan^{-1}(1)$

2. $\tan^{-1}(2)$

3. $\tan^{-1}(4)$

4. $\tan^{-1}(3)$

Question Number : 61 Question Id : 61097513689 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The potential energy of a certain spring when stretched through a distance S is 10 joule. The amount of work (in joule) that must be done on this spring to stretch it through additional distance S will be

Options :

1. 30

2. 40

3. 10

4. 20

Question Number : 62 Question Id : 61097513690 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

A machine gun fires six bullets per second into a target. The mass of each bullet is 3 g and the speed is 500 m/s. The power delivered to the bullets is

Options :

1. 1.5 kW

2. 2.25 kW

3. 0.75 kW

4. 375 kW

Question Number : 63 Question Id : 61097513691 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of the following is the cheapest renewable energy ?

Options :

1. Solar energy

2. Wind energy

3. Hydel energy

4. Nuclear energy

Question Number : 64 Question Id : 61097513692 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The maximum velocity of particle executing simple harmonic motion with an amplitude of 7 mm is 4.4 m/s. The time period of oscillation is

Options :

1. 100 s

2. 10 s

3. 0.1 s

4. 0.01 s

Question Number : 65 Question Id : 61097513693 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Two waves of lengths 50 cm and 51 cm produced 12 beats per second. The velocity of sound is

Options :

1. 340 m/s

2. 331 m/s

3. 306 m/s

4. 360 m/s

Question Number : 66 Question Id : 61097513694 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The apparent frequency of the whistle of an engine changes in the ratio 9:8 as the engine passes a stationary observer. If the velocity of the sound is 340 ms^{-1}, then the velocity of the engine is

Options :

1. 40 m/s

2. 20 m/s

3. 340 m/s

4. 180 m/s

Question Number : 67 Question Id : 61097513695 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Quality of sound is decided by

Options :

1. loudness

2. intensity

3. number of overtones

4. frequency

Question Number : 68 Question Id : 61097513696 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Inaudibility limit is

Options :

1. one hundredth of initial intensity

2. one tenth of initial intensity

3. one thousandth of initial intensity

4. one millionth of initial intensity

Question Number : 69 Question Id : 61097513697 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

A Carnot's engine operates with source at 127^0C and sink at 27^0C. If the source supplies 40 kJ of heat energy, the work done by the engine is

Options :

1. 30 kJ

2. 10 kJ

3. 4 kJ

4. 1 kJ

Question Number : 70 Question Id : 61097513698 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

A monoatomic gas initially at 17^0C is suddenly compressed to one eighth of its original volume. The temperature after compression is

Options :

1. 1160K

2. 36.25K

3. 2320K

4. 887K

Question Number : 71 Question Id : 61097513699 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Two cylinders of volumes 20 cc and 30 cc have gases at pressures 40 cm and 50 cm of Hg under the same temperature. If they are connected by a very narrow pipe the pressure in cm of Hg will be

Options :

1. 45

2. 50

3. 46

4. 15

Question Number : 72 Question Id : 61097513700 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In an adiabatic expansion, a gas does 25J of work while in an adiabatic compression 100J of work is done on a gas. The change of internal energy in the two processes repectively are

Options :

1. 25J and -100J

2. - 25J and 100J

3. -25J and -100J

4. 25J and 100J

Question Number : 73 Question Id : 61097513701 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The volume of one mole of an ideal gas changes from V to 2V at temperature of 300 K. If R is universal gas constant, then work done in this process is

Options :

1. $300Rln2$

2. 600Rln2

3. 300ln2

4. 600ln2

Question Number : 74 Question Id : 61097513702 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The maximum kinetic energy of the photoelectrons emitted from a surface is dependent on the

Options :

1. intensity of incident radiation

2. potential of the collector electrode

3. frequency of incident radiation

4. angle of incident of radiation of the surface

Question Number : 75 Question Id : 61097513703 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In an optical fibre, relation between refractive index of core (n_1) and refractive index of cladding (n_2) is

Options :

1. $n_1 > n_2$

2. $n_1 < n_2$

3. $n_1 = n_2$

4. $n_1 << n_2$

Chemistry

Section Number :	3
Mandatory or Optional :	Mandatory
Number of Questions :	25
Number of Questions to be attempted :	25
Section Marks :	25
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes

Question Number : 76 Question Id : 61097513704 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The nucleus consists of

Options :

1. Proton and electron

2. Proton and Neutron

3. Proton and Duterium

4. Proton and photan

Question Number : 77 Question Id : 61097513705 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The shape of P-Orbital is

Options :

1. Spherical

2. Dumbbell

3. Double Dumbbell

4. Oval

Question Number : 78 Question Id : 61097513706 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The maximum number of electrons that a f-orbital can accommodate is

Options :

1. 2

2. 6

3. 10

4. 14

Question Number : 79 Question Id : 61097513707 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In NaCl formation Sodium is donating ----- electrons

Options :

1. 0

2. 2

3. 1

4. 3

Question Number : 80 Question Id : 61097513708 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

O_2 molecule contains

Options :

1. Covalent bond

2. Ionic bond

3. Hydrogen bond

4. Metalic bond

Question Number : 81 Question Id : 61097513709 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Avagadro Number is

Options :

1. $6.023X\ 10^{-23}$

2. $6.023X\ 10^{23}$

3. $60.23X\ 10^{23}$

4. $6.023X\ 10^{25}$

Question Number : 82 Question Id : 61097513710 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The normality of the solution obtained by dissolving 8 gm of NaOH in 1 Litre is

Options :

1. 2N

2. 0.2N

3. 0.25N

4. 0.02N

Question Number : 83 Question Id : 61097513711 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Molecular weight of $MgSO_4$ is

Options :

1. 120

2. 121

3. 119

4. 122

Question Number : 84 Question Id : 61097513712 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

A Lewis base is a substance which

Options :

1. Accept protons

2. Accept a lone pair of electrons

3. Donate protons

4. Donate a lone pair of electrons

Question Number : 85 Question Id : 61097513713 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

P^H of a solution is 4.5, the solution is

Options :

1. Basic

2. Acidic

3. Neutral

4. Amphoteric

Question Number : 86 Question Id : 61097513714 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

One Faraday is equal to

Options :

1. 96485 C

2. 98485 C

3. 96465 C

4. 96585 C

Question Number : 87 Question Id : 61097513715 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Common electrolyte used in the salt bridge is

Options :

1. NaOH

2. NaCl

3. KCl

4. KOH

Question Number : 88 Question Id : 61097513716 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

SI Units of Electrical conductivity are

Options :

1. Seimens per meter

2. Seimens per centimeter

3. Seimens per millimeter

4. Seimens per kilometer

Question Number : 89 Question Id : 61097513717 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Calculate the standard e.m.f of the Zn-Cu cell, if the cell is represented as Zn, Zn^{-2}; Cu^{+}, Cu ($E^{0}Zn^{+2}$,Zn) =0.86 and ($E^{0}Cu^{+2}$,Cu) = 0.34.

Options :

1. 1.20V

2. 0.52V

3. -1.20V

4. -0.11V

Question Number : 90 Question Id : 61097513718 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Permanent Hardness is caused due to

Options :

1. Carbonates and Bicarbonates

2. Carbonates and Sulphates

3. Chlorides and Sulphates

4. Chlorides and Carbonates

Question Number : 91 Question Id : 61097513719 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Permutit is chemically

Options :

1. Sodium Silicate

2. Aluminium Silicate

3. Hydrated Sodium alumino silicate

4. Calcium silicate

Question Number : 92 Question Id : 61097513720 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The anion exchange resin possesses

Options :

1. Acidic group

2. Basic group

3. Amphoteric group

4. Benzo group

Question Number : 93 Question Id : 61097513721 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Chemically the rust is

Options :

1. Fe_2O_3

2. Fe_2O_3. FeO

3. $Fe_2O_3.XH_2O$

4. $Fe_2O_3 . NH_3$

Question Number : 94 Question Id : 61097513722 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The gradual loss of a metal by chemical or electrochemical action of environment is called

Options :

1. Corrosion

2. Caustic embrittlement

3. Priming

4. foaming

Question Number : 95 Question Id : 61097513723 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of the following is a thermosetting plastic ?

Options :

1. Bakelite

2. Polystyrene

3. Polythene

4. Nylon

Question Number : 96 Question Id : 61097513724 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Tetra Fluoro Ethane is a monomer of

Options :

1. Teflon

2. Nylon

3. Styrene

4. Rubber

Question Number : 97 Question Id : 61097513725 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Buna-N is a copolymer of

Options :

1. Butadiene and Styrene

2. Butadiene and Acrylonitrile

3. Butadiene and Isoprene

4. Formaldehyde and Styrene

Question Number : 98 Question Id : 61097513726 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Main constituent of Producer gas is

Options :

1. $CO+N_2$

2. $CO+H_2$

3. $CO+CO_2$

4. $CO_2+ H_2$

Question Number : 99 Question Id : 61097513727 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Ozone layer is present at

Options :

1. Staratosphere

2. Inosphere

3.

Thermosphere

4. Atmosphere

Question Number : 100 Question Id : 61097513728 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Acid Rain is caused due to

Options :

1. Chloro Fluoro Carbons

2. Methane

3. Oxides of Sulphur and Nitrogen

4. Carbon monaxide

Computer Science and Engineering

Section Number :	4
Mandatory or Optional :	Mandatory
Number of Questions :	100
Number of Questions to be attempted :	100
Section Marks :	100
Display Number Panel :	Yes
Group All Questions :	Yes

Mark As Answered Required? : Yes

Question Number : 101 Question Id : 61097513729 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Simplest Registers only consists of

Options :

1. Counter

2. EPROM

3. latch

4. flip-flop

Question Number : 102 Question Id : 61097513730 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of the following is a Universal Gate?

Options :

1. AND gate

2. OR gate

3. NAND gate

4. NOR gate

Question Number : 103 Question Id : 61097513731 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

(x')' is a

Options :

1. complement

2. dual complement

3. reflection

4. duality

Question Number : 104 Question Id : 61097513732 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

A Multiplexer is also called as a

Options :

1. Coder

2. parallel adder

3. Data selector

4. NOR gate

Question Number : 105 Question Id : 61097513733 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

A Binary variable can take the values

Options :

1. 0 only

2. 0 and -1

3. 0 and 1

4. 1 and 2

Question Number : 106 Question Id : 61097513734 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

$(1010.011)_2 =$

Options :

1. $(10.365)_{10}$

2. $(10.375)_{10}$

3. $(11.365)_{10}$

4.

$(11.375)_{10}$

Question Number : 107 Question Id : 61097513735 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Each square in a Karnaugh map represents a

Options :

1. Point

2. value

3. minterm

4. maxterm

Question Number : 108 Question Id : 61097513736 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Circuit whose output depends on directly present input is called

Options :

1. combinational circuit

2. sequential circuit

3. combinational sequence

4. series

Question Number : 109 Question Id : 61097513737 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The purpose of the microprocessor is to control _____

Options :

1. Processing

2. Memory

3. Switches

4. Tasks

Question Number : 110 Question Id : 61097513738 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If segment address = 1005H, offset address = 5555H, then the physical address is _____

Options :

1. 155AH

2. 4550H

3. 155A5H

4. 56555H

Question Number : 111 Question Id : 61097513739 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of the following instruction is not valid?

Options :

1. MOV AX,BX

2. MOV AX,5000H

3. MOV DS,5000H

4. PUSH AX

Question Number : 112 Question Id : 61097513740 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The addressing mode that is used in unconditional branch instructions is

Options :

1. Intra segment direct addressing mode

2. Intra segment indirect addressing mode

3. Intra segment direct and indirect addressing mode

4. Inter segment direct addressing mode

Question Number : 113 Question Id : 61097513741 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

During comparison operation, the result of comparing or subtracting is stored in

Options :

1. Memory

2. Registers

3. Stack

4. no where

Question Number : 114 Question Id : 61097513742 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The BIU contains FIFO register of size 6 bytes is called as

Options :

1. Queue

2. Stack

3. Segment

4. Register

Question Number : 115 Question Id : 61097513743 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The fetching of the program from secondary memory to place it in physical

memory during the execution of CPU is called_____

Options :

1. Mapping

2. swapping in

3. swapping out

4. pipelining

Question Number : 116 Question Id : 61097513744 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The instruction "JUMP" belongs to

Options :

1. sequential control flow instructions

2. data transfer instructions

3. branch instructions

4. control transfer & branch instructions

Question Number : 117 Question Id : 61097513745 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The first processor with an inbuilt floating point unit is ___

Options :

1. 80386

2. 80486

3. 8086

4. 80286

Question Number : 118 Question Id : 61097513746 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which group of instructions do not affect the flags?

Options :

1. Arithmetic operations

2. Logic operations

3. Branch operations

4. Data transfer operations

Question Number : 119 Question Id : 61097513747 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The delay between the time an interrupt request is received and the start of execution of the Interrupt service routine is called_____

Options :

1. Interrupt latency

2. Interrupt back

3. Interrupt hold

4. Interrupt service

Question Number : 120 Question Id : 61097513748 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The DMA controller may be given exclusive access to the main memory to transfer a block of data without interruption is known as_____

Options :

1. Block (or) burst mode

2. Stealing mode

3. Bus master

4. Bus slave

Question Number : 121 Question Id : 61097513749 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The addressing mode which makes use of in-direction pointers is

Options :

1. Indirect addressing mode

2. Index addressing mode

3. Relative addressing mode

4. Offset addressing mode

Question Number : 122 Question Id : 61097513750 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

What is the highest speed memory between the main memory and the CPU called?

Options :

1. Register memory

2. Cache memory

3. Storage memory

4. Virtual memory

Question Number : 123 Question Id : 61097513751 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which one of the following can produce the final product of machine processing in a form usable by humans

Options :

1. Storage

2. Control

3. Input device

4. Output device

Question Number : 124 Question Id : 61097513752 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In the case of, Zero-address instruction method the operands are stored in ----------

Options :

1. Registers

2. Stack

3. Accumulators

4. Cache

Question Number : 125 Question Id : 61097513753 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The memory which is used to store the copy of data (or) instructions stored in

larger memories inside the CPU is called_____

Options :

1. Level 1 cache

2. Level 2 cache

3. Registers

4. TLB

Question Number : 126 Question Id : 61097513754 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In the following indexed addressing mode instruction , MOV 5(R1),LOC the Effective Address is

Options :

1. EA=5+R1

2. EA=R1

3. EA=[R1]

4. EA=5+[R1]

Question Number : 127 Question Id : 61097513755 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which technique is preferable for transferring a large amount of data to and from a memory in a short time

Options :

1. DMA

2. Interrupt Driven I/o

3. Programmed I/o

4. BUS

Question Number : 128 Question Id : 61097513756 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The instructions like MOV or ADD are called as

Options :

1. OP-Code

2. Operators

3. Commands

4. Operand

Question Number : 129 Question Id : 61097513757 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

What will be the output of the C program?

```
#include<stdio.h>
int main()
{
  int a;
  a=1.2.3;
   printf("%d",a);
  return 0;
}
```

Options :

1. 1

2. 3

3. Compile Error

4. Run time Error

Question Number : 130 Question Id : 61097513758 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

What will be the output of the C program?

```
#include<stdio.h>
 int main()
{
char *ptr;
char string[]="learn C from 2braces.com";
ptr = string;
ptr + =6;
printf("%s",ptr);
return 0;
}
```

Options :

1. Compilation Error

2. Runtime Error

3. from 2braces.com

4. C from 2braces.com

Question Number : 131 Question Id : 61097513759 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of the following mode argument is used to truncate in files?

Options :

1. a

2. w

3. f

4. t

Question Number : 132 Question Id : 61097513760 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Find the post order by using the given pre-order and in-order.

Inorder Traversal in [] = {4, 2,5,1,3, 6}

Preorder Traversal pre [] = {1, 2, 4, 5, 3, 6}

Options :

1. Post-Order post={4,2,5,6,3,1}

2. Post-Order post={2,6,3,4,5,1}

3. Post-Order post={4,5,2,6,1,3}

4. Post-Order post={4,5,2,6,3,1}

Question Number : 133 Question Id : 61097513761 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

A text file is the one in which the data is stored in

Options :

1. ASCII code

2. Octal code

3. Binary code

4. Text code

Question Number : 134 Question Id : 61097513762 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Memory efficient Doubly linked list is also called as _____

Options :

1. XOR linked list

2. Circular Single linked list

3. NOR linked list

4. Single linked list

Question Number : 135 Question Id : 61097513763 Question Type : MCQ Display Question

Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of the following function sets first n characters of a string to a given character_____

Options :

1. strrinit()

2. strnset()

3. strset()

4. strcset()

Question Number : 136 Question Id : 61097513764 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The time complexity of a quick sort algorithm which makes use of

median,found by an O(n) algorithm as pivot element is_____

Options :

1. $O(n^2)$

2. O(nlogn)

3. O(nloglogn)

4. O(n)

Question Number : 137 Question Id : 61097513765 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

What is the corresponding postfix expression for the given infix expression a+b*(c^d-e)^(f+g*h)-i

Options :

1. abc^de-fg+*^*+i-

2. abcde^-fg*+*^h*+i-

3. abcd^e-fgh*+^*+i-

4. ab^-dc*+ef^gh*+i-

Question Number : 138 Question Id : 61097513766 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

What will be the output of the C program?

```
#include<stdio.h>
int main()
{
Int c=5,no=10;
do{
no /=c;
}while(c--);
printf("%d",no);
return 0;
}
```

Options :

1. 1

2. Runtime Error

3. 0

4. Compiler Error

Question Number : 139 Question Id : 61097513767 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In the layer hierarchy as the data packet moves from the upper to the lower

layers, headers are _____

Options :

1. Added

2. Removed

3. Rearranged

4. Modified

Question Number : 140 Question Id : 61097513768 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Three or more devices share a link in _____ connection.

Options :

1. Unipoint

2. Multipoint

3. Point to point

4. Simplex

Question Number : 141 Question Id : 61097513769 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

How many layers are present in the Internet protocol stack (TCP/IP model)?

Options :

1. 5

2. 7

3. 6

4. 10

Question Number : 142 Question Id : 61097513770 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Delimiting and synchronization of data exchange is provided by _____

Options :

1. Application layer

2. Session layer

3. Transport layer

4. Link layer

Question Number : 143 Question Id : 61097513771 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

_____ allows you to connect and login to a remote computer

Options :

1. Telnet

2. FTP

3. HTTP

4. SMTP

Question Number : 144 Question Id : 61097513772 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which network topology requires a central controller or hub?

Options :

1. Star

2. Mesh

3. Ring

4. Bus

Question Number : 145 Question Id : 61097513773 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In TDM, slots are further divided into _____

Options :

1. Seconds

2. Frames

3. Packets

4. Bits

Question Number : 146 Question Id : 61097513774 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Automatic repeat request error management mechanism is provided by _____

Options :

1. logical link control sublayer

2. media access control sublayer

3. network interface control sublayer

4. application access control sublayer

Question Number : 147 Question Id : 61097513775 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In classful addressing, a large part of available addresses are _____

Options :

1. Organized

2. Blocked

3. Wasted

4. Communicated

Question Number : 148 Question Id : 61097513776 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The time taken by a packet to travel from client to server and then back to the Client is called ____

Options :

1. STT

2. RTT

3. PTT

4. FTP

Question Number : 149 Question Id : 61097513777 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Round robin scheduling falls under the category of_____

Options :

1. Dead Lock

2. Demand Paging

3. Non-preemptive scheduling

4. Preemptive scheduling

Question Number : 150 Question Id : 61097513778 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option

Orientation : Vertical

Which one of the following is the Dead Lock Avoidance algorithm?

Options :

1. Banker's algorithm

2. Round Robin algorithm

3. Elevator algorithm

4. Karn's algorithm

Question Number : 151 Question Id : 61097513779 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The aim of creating Page Replacement algorithm is to _____

Options :

1. Replaces pages faster

2. Increase the page fault rate

3. Decrease the page fault rate

4. To allocate multiple pages to process

Question Number : 152 Question Id : 61097513780 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option

Orientation : Vertical

What are the two methods of the LRU page replacement policy that can be implemented in hardware?

Options :

1. Counters

2. RAM registers

3. Stack and counters

4. Registers

Question Number : 153 Question Id : 61097513781 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Virtual memory is normally implemented by _____

Options :

1. Demand Paging

2. Buses

3. Virtualization

4. paging

Question Number : 154 Question Id : 61097513782 Question Type : MCQ Display Question

Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Process is_____

Options :

1. Program in high level language kept on disk

2. Contents of main memory

3. A program in execution

4. A job in secondary memory

Question Number : 155 Question Id : 61097513783 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

With paging there is no _____ fragmentation

Options :

1. Internal

2. External

3. Demand

4. Segmentation

Question Number : 156 Question Id : 61097513784 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In paged memory systems, if the page size is increased, then the internal fragmentation generally_____

Options :

1. Becomes less

2. Becomes more

3. Remains constant

4. Remains equal

Question Number : 157 Question Id : 61097513785 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Memory management techniques in which system stores & retrieves data from

secondary storage for use in main memory is called_____

Options :

1. Fragmentation

2. Paging

3. Mapping

4. Relocating

Question Number : 158 Question Id : 61097513786 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If a process needs I/O to or from a disk, and if drive or controller is busy then _____

Options :

1. The request will be placed in the queue of pending requests for that drive

2. The request will not be processed and will be ignored completely

3. The request will be not placed

4. The request closed

Question Number : 159 Question Id : 61097513787 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The processes that are residing in main memory and are ready and waiting to execute are kept on a list called_____

Options :

1. Job queue

2. Ready queue

3. Execution queue

4. Process queue

Question Number : 160 Question Id : 61097513788 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

To avoid dead lock_____

Options :

1. There must be a fixed number of resources to allocate

2. Resource allocation must be done only once

3. All dead locked processes must be aborted

4. Inversion technique can be used.

Question Number : 161 Question Id : 61097513789 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The term attribute refers to a _____ of a table.

Options :

1. Record

2. Column

3. Tuple

4. Key

Question Number : 162 Question Id : 61097513790 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Functional Dependencies are the types of constraints that are based on_____

Options :

1. Key

2. Key revisited

3. Superset key

4. Foreign key

Question Number : 163 Question Id : 61097513791 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Tables in second normal form (2NF):

Options :

1. Eliminate all hidden dependencies

2. Eliminate the possibility of insertion anomalies

3. Have a composite key

4. Have all non-key fields that depend on the whole primary key

Question Number : 164 Question Id : 61097513792 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Triggers are supported in

Options :

1. Delete

2. Update

3. Views

4. Alter

Question Number : 165 Question Id : 61097513793 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of the following creates a virtual relation for storing the query?

Options :

1. Function

2. View

3. Procedure

4. Triggers

Question Number : 166 Question Id : 61097513794 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Data integrity constraints are used to:

Options :

1. Control who is allowed access to the data

2. Ensure that duplicate records are not entered into the table

3. Improve the quality of data entered for a specific property

4. Prevent users from changing the values stored in the table

Question Number : 167 Question Id : 61097513795 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Database_____ is the logical design of the database and database _____ is a snapshot of the data in the data base at a given instant of time

Options :

1. Instance, Schema

2. Relation, Schema

3. Relation, Domain

4. Schema, Instance

Question Number : 168 Question Id : 61097513796 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

We indicate roles in E-R diagrams by labelling the lines that connect _____ to _____

Options :

1. Diamond , diamond

2. Rectangle, diamond

3. Rectangle, rectangle

4. Diamond, rectangle

Question Number : 169 Question Id : 61097513797 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If we want to retain all duplicates, we must write _____ in place of union.

Options :

1. Union all

2. Union some

3. Intersect all

4. Intersect some

Question Number : 170 Question Id : 61097513798 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Using which of the following, can a user request information from a database?

Options :

1. Query

2. Relation

3. Structure

4. Compiler

Question Number : 171 Question Id : 61097513799 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Identify the user-defined type of from the following in C++?

Options :

1. Float

2. Classes

3. Double

4. Int

Question Number : 172 Question Id : 61097513800 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which type of Constructor doesn't take any arguments?

Options :

1. Default

2. Parameterized

3. Copy Constructor

4. Nonargumented

Question Number : 173 Question Id : 61097513801 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of the following gets called when an object is being created?

Options :

1. Constructor

2. Virtual function

3. Destructors

4. Main

Question Number : 174 Question Id : 61097513802 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Find the wrong statement about Abstract Class in C++.

Options :

1. We can't create its objects.

2. We can't create pointers to an abstract class

3. It contains at least one pure virtual function

4. We can create references to an abstract class

Question Number : 175 Question Id : 61097513803 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In case of Inheritance in C++ where both Base and Derived class are having Constructors when an object of Derived class is created then _____

Options :

1. Constructor of Derived class will be invoked first

2. Constructor of Base class will be invoked first

3. Constructor of Derived class will be executed first followed by Base class

4. Constructor of Base class will be executed first followed by Derived class

Question Number : 176 Question Id : 61097513804 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

What is the implicit pointer that is passed as the first argument for non static Member functions in C++?

Options :

1. 'self' pointer

2. std::auto_ptr pointer

3. 'Myself' pointer

4. 'this' pointer

Question Number : 177 Question Id : 61097513805 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of the following operator can be overloaded in C++?

Options :

1. ?

2. ::

3. .

4. ==

Question Number : 178 Question Id : 61097513806 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

What is the output of the following program?

```
#include<iostream.h>
Using namespace std;
Void main ()
{
char *s = "C++";
cout<<s<< " ";
S++;
cout <<s<< " ";
}
```

Options :

1. C++ C++

2. C++ ++

3. ++ ++

4. Compile error

Question Number : 179 Question Id : 61097513807 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

_____ is used to write a single character to output file in C++

Options :

1. cin()

2. put ()

3. get ()

4. getW()

Question Number : 180 Question Id : 61097513808 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In C++, dynamic memory allocation is done using _____operator

Options :

1. calloc()

2. malloc()

3. allocate

4. New

Question Number : 181 Question Id : 61097513809 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which function is used to perform some action when the object is to be destroyed?

Options :

1. finalize ()

2. delete ()

3. main ()

4. remove ()

Question Number : 182 Question Id : 61097513810 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of this class is super class of every class in java?

Options :

1. String class

2. Object class

3. Abstract class

4. Array List class

Question Number : 183 Question Id : 61097513811 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which method of string class in java is used to convert the Boolean into String?

Options :

1. Public static String valueOf(double I)

2. Public static String value Of(Boolean I)

3. Public Boolean equals(Object anObject)

4. Public static String valueOf(Object obj)

Question Number : 184 Question Id : 61097513812 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which method is called only once during the run time of your applet?

Options :

1. Stop()

2. paint()

3. init()

4. destroy()

Question Number : 185 Question Id : 61097513813 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of these exceptions will be thrown if we use null reference for an arithmetic operation?

Options :

1. ArithmeticException

2. NullPointerException

3. IllegalAcessException

4. IllegalOperationException

Question Number : 186 Question Id : 61097513814 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of this method is used to find out that a thread is still running or not?

Options :

1. run()

2. Alive()

3. isAlive()

4. checkRun()

Question Number : 187 Question Id : 61097513815 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Predict the output of following Java Program

```
class Test {
int i;
}
class Main {
public static void main (String args[]) {
Test t = new Test ();
System.out.println(t.i);
        }
}
```

Options :

1. Garbage value

2. 0

3. compile time error

4. run time error

Question Number : 188 Question Id : 61097513816 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of this method of Thread class is used to suspend a thread for a period of time?

Options :

1. Sleep ()

2. terminate ()

3. suspend ()

4. stop ()

Question Number : 189 Question Id : 61097513817 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which is used to store data and partial results, as well as to perform dynamic linking, return values for methods, and dispatch exceptions?

Options :

1. Window

2. Panel

3. Frame

4. Container

Question Number : 190 Question Id : 61097513818 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of these is a super class of wrappers Double & Integer?

Options :

1. Long

2. Digits

3. Float

4. Number

Question Number : 191 Question Id : 61097513819 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

How can you open a link in a new browser window?

Options :

1. <a href= “url” target= “new”>

2. <a href= “url” target= “_blank”>

3. <a href= “url” .new>

4. <a href= “url” target= “open”>

Question Number : 192 Question Id : 61097513820 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

If you want to merge two or more rows in table which attribute you can use?

Options :

1. Rowmerge

2. Rowspan

3. Colmerge

4. Colspan

Question Number : 193 Question Id : 61097513821 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

When form data contains sensitive or personal information then which method is more preferable?

Options :

1. Get method

2. Post method

3. Host method

4. Put method

Question Number : 194 Question Id : 61097513822 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

HTML documents are transmitted from web servers to web browsers using_____

Options :

1. FTP

2. HTTP

3. XML

JSP

4.

Question Number : 195 Question Id : 61097513823 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which in-built function will add a value to the end of an array in Php?

Options :

1. Array_unshift()

2. Into_array()

3. Inend_array()

4. Array_push()

Question Number : 196 Question Id : 61097513824 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

What will be the output of the following Php code?

```
<? php
  $number=array ("4", "hello", 2);

                echo (array_sum ($number));

?>
```

Options :

1. 4hello2

2. 4

3. 2

4. 6

Question Number : 197 Question Id : 61097513825 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of the following is used to access MySQL database in Php?

Options :

1. mysqlconnect () function

2. mysql-connect ()

3. mysql_connect () function

4. sql_conncet () function

Question Number : 198 Question Id : 61097513826 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Which of the following is used in Php to store user data in a session?

Options :

1. $_SESSION

2. SYS_SESSION

3. $SESSION

4. $_SESSIONS

Question Number : 199 Question Id : 61097513827 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

_____ Object is used to fill a DataSet/ DataTable with query results in ADO.net.

Options :

1. Data Reader

2. DataSet

3. DataAdapter

4. DataTables

Question Number : 200 Question Id : 61097513828 Question Type : MCQ Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Ado.NET DataAdapter provides the communication between_____

Options :

1. Data object and DataSet
2. Data object and Data source
3. Dataset and Data base
4. Dataset and Data source