ence Statistics	
ction 1 - Section 1	
Question No.1	4.00
If $V(X) = 4$, $E(X) = 3$, then $V(2X+2)$	BOOKINGIK
0 19 0 17	
O 16	
O 18	
Question No.2	4.00
	Bookmark 🔽
Ganga purchased an iron box at $\frac{9}{10}$ th of its selling price and sold it at 8% more than its	
selling price. Find her gain percent.	
$(x-1)(x+9)^{-1}$	
(x-1)(x+9)	
$(x-1)^2(x+9)$	
0 0	
Question No.3	4.00 Bookmark I
Among the following which is not a primitive data type?	
© Float	
○ Struct	
C Integer	
Question No.4	4.00
If A+B means A is daughter of B,	Bookmark 🕅
A-B means A is husband of B A × B means A is brother of B	
From the statement $A \times B \times C \times D$, which of the following statement is not necessarily true?	
○ C is the brother of A	
© B is the brother of A	
 A, B, C are male 	
Question No 5	4.00
	Bookmark 🔽
The odds in favour of a certain event are 5:4 and odds against another event are 4:3. the chance that at least one of them will happen is by assuming the eve independent	nts are
C 7/63	
C 47/63	
o 51/63	
Question No.6	4.00
Which of the following words is spalled wrongly?	Bookmark 🗖
0 Reffered	
© Differed	
○ Offered	
○ Suffered	
Question No.7	4.00
Pan drives are based flash memory	Bookmark
© RAM	
° ROM	
© EEPROM	
C EDPON	
° EPROM	
© EPROM Question No.8	4.00

Group Discussion are to be organised on each day iron informative Sumary. (i) One day there will be no lecture (Saturday is not that day), just before that day Group Discussion will be organised. (ii) Motivation should be organised immediately after Assessment Centre.

which de librais infermation is an injurate for the atoma listans arrangements? • Allean equals • Config • Confi	(iii) Quality Circle should be organised on Wednesday and should not be followed by Group Discussion (iv) Decision Making should be organised on Friday and there should be a gap of two days between Leadership and Group Discussion	
$\int \frac{dx}{dx} = regards$ $\int \frac{dx}{dy} = \frac{dx}{dy} = \frac{dx}{dy}$ $\int \frac{dx}{dy} = $	Which of the following information is not required for the above lecture arrangements?	
$\begin{bmatrix} c & c & c & c & c & c & c & c & c & c $	C All are required C Only (i)	
$\frac{1}{2} = \frac{1}{2} = \frac{1}{2} + \frac{1}{2}$ $\frac{1}{2} = \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}$	C Only (ii)	
Descended Solution is a set of the basis	C Only (iii)	
Bootnak D If $x \in R$, then the range of $f(x) = \frac{x^2 - 3x + 4}{x^2 + 3x + 4}$ $\left[c - (-\infty, \frac{1}{2}) \right]$ $\left[c - (\frac{1}{2}, 7) \right]$ $\left[c - (7, \infty) \right]$ Cursion No.1 Cursion No.1 Cu	Question No.9	4.00
If $x \in R$, then the range of $f(x) = \frac{x^2 - 3x + 4}{x^2 + 3x + 4}$ $c \left(\left(-\infty, \frac{1}{2} \right) \right)$ $c \left(\frac{1}{2}, 7 \right)$ $c \left(7, \infty \right)$ Overlaw No.10 Overlaw No.10 Overlaw No.11 Overlaw No.11 Overlaw No.11 Overlaw No.12 Overlaw No.12 Overlaw No.12 Overlaw No.12 Overlaw No.12 Overlaw No.12 Overlaw No.14 Overlaw No.14 Overlaw No.15 Overlaw No.15 Overlaw No.16 Overlaw No.16 Overlaw No.17 Overlaw No.17 Overlaw No.17 Overlaw No.17 Overlaw No.18 Overlaw No.18		Bookmark 🔽
$\frac{x^{2}-3x^{2}+4}{x^{2}+3x+4}$ $\frac{x^{2}+3x+4}{x^{2}+3x+4}$ $\frac{x^{2}+3x+4}{x^{2}+3x+4}$ $\frac{x^{2}+3x+4}{x^{2}+3x+4}$ $\frac{x^{2}+3x+4}{x^{2}+3x+4}$ $\frac{x^{2}+3x+4}{x^{2}+3x+4}$ $\frac{x^{2}+3x+4}{x^{2}+3x+4}$ $\frac{x^{2}+3x+4}{x^{2}+3x+4}$ $\frac{x^{2}+3x+4}{x^{2}+3x+4}$ $\frac{x^{2}+3x+4}{x^{2}+3x+4}$ $\frac{x^{2}+3x+4}{x^{2}+3x+2} = 0$ $\frac{x^{2}+3x^{2}+3x+4}{x^{2}+3x+2} = 0$ $\frac{x^{2}+3x}{x^{2}+3x+2} = 0$ $\frac{x^{2}+3x}{x^{2}+3x+3x+2} = 0$ $\frac{x^{2}+3x}{x^{2}+3x+3x+3x+2x+3x+4x+4x+3x+4x+4x+3x+4x+4x+3x+4x+4x+3x+4x+4x+4x+4x+4x+4x+4x+4x+4x+4x+4x+4x+4x$	If $x \in R$, then the range of $f(x) =$	
$\begin{array}{c} x^{\mu} + 3x^{\mu} + 4\\ c & \left(-\infty, \frac{1}{2} \right)\\ c & \left(\frac{1}{2}, 7 \right)\\ c & \left(\frac{1}{2}, 7 \right)\\ c & \left(\frac{1}{2}, 7 \right)\\ c & \left(7, \infty \right) \end{array}$	$\frac{x^2-3x+4}{2}$	
$\begin{bmatrix} (-\infty; \frac{1}{2}] \\ c & (\frac{1}{2}, 7) \\ c & (\frac{1}{2}, 7) \\ c & (7, \infty) \end{bmatrix}$ Constant No.19 Constant We have a set of a set of numbers of points, when two dies are thrown simultaneously is Provided tasks of set of an of numbers of points, when two dies are thrown simultaneously is Provided tasks of set of an of numbers of points, when two dies are thrown simultaneously is Provided tasks of set of an of numbers of points, when two dies are thrown simultaneously is Provided tasks of set of an of numbers of points, when two dies are thrown simultaneously is Provided tasks of set of an of the south. If Manuths traces. Mothan is parting the fourt of the traces. Roban is parting the window frames on the mothand tasks points and the points partice galaxies with John, and John then switches places with John, where is Stan? Provided tasks. The south is following the fourt of the traces. Roban is parting the window frames on the mothand frames on the south John the switches places with John, and John then switches places with John, where is Stan? Provided tasks. The south is following the fourt of the traces. Roban is parting the window frames on the mothand frames on the south John the switches places with John, and John then switches places with John, and John then switches places with John the switches places with John and John then sw	$x^2 + 3x + 4$ o (1]	
$ \begin{array}{c} \left(\frac{1}{2},7\right) \\ c & \left[\frac{1}{2},7\right] \\ c & (7,\infty) \end{array} \right) \\ \hline \\ $	$\left(-\infty, \frac{1}{7}\right]$	
$ \left(\frac{1}{7}, \frac{7}{7} \right) $ $ \left(\frac{1}{7}, \frac{7}{2} \right) $ $ \left(\frac{1}{7}, \frac{7}{2} \right) $ $ \left(\frac{1}{2}, \frac{7}{7} \right) $ $ \left(\frac{1}{2}, \frac{7}{7} \right) $ $ \left(\frac{1}{7}, \frac{1}{7} \right) $ $ \left(\frac{1}{7}, \frac{1}{7$	\circ (1)	
$ \begin{array}{l} \left[\frac{1}{2}, 7 \right] \\ c \ (7, \infty) \end{array} \right] \\ \hline \\ $	$\left(\overline{7},7\right)$	
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$ \begin{array}{c} (7, \infty) \end{array} \\ \hline \\$	$\left[\frac{1}{7}, 7\right]$	
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• North Side of the house $\begin{array}{c} 2400 \\ \hline Bookmark □ \\ \hline Bookmark □ \\ \hline Bookmark □ \\ \hline be value of "k" for which the equations x + y + 3z = 0; 4x + 3y + kz = 0; and 2x + y + 2z = 0have a trivial solution \circ k \neq -8\circ k \neq 8\circ k = 8\circ k = 8\circ k = 8\circ k = -8\begin{array}{c} Bookmark □ \\ \hline Bookmark □ \\ \hline Bookmark □ \\ \hline Bookmark □ \\ \hline be following question, a group of three interrelated words is given. Choose a word from the given alternatives, that belongs to the same group. \\ \hline Liver. Heart: Kidney \\ C Lung \\ Bood \\ Nose \\ Urine \\ \hline $	C Back side of the house C South Side of the house	
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The value of "k" for which the equations $x + y + 3z = 0$; $4x + 3y + kz = 0$; and $2x + y + 2z = 0$ have a trivial solution $c k \neq -8$ c k = 8 c k = 8 c k = -8 Question No.13 Question No.13 A D D D D C D D C D D C D D D D D D D D D D		Bookmark
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Question No.13 Bookmark □ In the following question, a group of three interrelated words is given. Choose a word from the given alternatives, that belongs to the same group. Liver: Heart:: Kidney □ Lung □ Blood □ Nose □ Urine	k = -8	
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In the following question, a group of three interrelated words is given. Choose a word from the given alternatives, that belongs to the same group. Liver: Heart:: Kidney C Lung Blood Nose C Urine	Question No.13	4.00 Bookmark
C Lung C Blood C Nose C Urine	In the following question, a group of three interrelated words is given. Choose a word from the given alternatives, that belongs to the same	e group.
© Blood © Nose © Urine	O Lung	
C Urine	C Blood	
	C Urine	

Study the following information carefully and answer the question below it

(i) A, B, C, D, E and F are six students in a class
(ii) B and C are shorter than F but heavier than A
(iii) D is heavier than B and taller than C
(iv) E is shorter than D but taller than F
(v) F is heavier than D

Which of the following groups of friends is shorter than A?

- C F, B, C only
- O D, B, C only
- O B, C only
- C E, B, C only

Question No.15

Identify the algorithm which is not used by Operating System for process management.

- C Shortest Job First
- O First in First Out
- C Last in First Out
- C Round Robin

Question No.16

In inheritance, the following type of derivation is not included.

- C Private
- O Auto
- PublicProtected
- TIOLECLE

Question No.17

The one's complement representation of -55 is _____

- C 11001000
- 10101010 ○ 1010101
- 0 110111
-

Question No.18

The median of 10 observations is equal to 50 if 3 is added to each observation, then the new median value is

- O 53
- O 50
- O 10
- O 13

Question No.19

The ability of an object to respond differently to different messages is called as _____

- C Polymorphism
- C Data hiding
- O Inheritance
- C Encapsulation

Question No.20

The number of non-zero integral solutions of the equation $|1 - i|^x = 2^x$ is

0

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4.00 Bookmark

4.00

Bookmark

4.00

Bookmark



○ e⁻² $\circ e^3$ $\circ e^4$ Question No.27 The language Python uses _ _approach. C Object oriented C Procedure oriented C Logic oriented O Procedure oriented and object oriented Question No.28 Scarcely had I reached the railway station when the New Delhi Express took off. The underlined words are ○ pronouns C adverbs ○ verbs conjunctions Question No.29 ASCII stands for O American Standard Code for Instruction Interaction C All purpose String Code for Information Interchange O American Standard Code for Instruction Interchange C American Standard Code for Information Interchange Question No.30 Which concept of Object Oriented Programming is implemented in the following figure STUDENT GRADUATE POST GRADUATE O Inheritance

C Encapsulation

C Polymorphism

Abstraction

Question No.31

Which of the following measure can make use of the 100% data

O Mean

o Minimum

- Median
 Maximum

Question No.32

- If P(E) =1 the event is called
 - certain event
 impossible event
 - © independent event

C exclusive event

Question No.33

Mean of 10 observations is 5, if a constant 4 is added to every observation, then the new mean is

 $^{\rm C}\,$ New Mean is no way related to Old Mean

- New Mean < Old Mean</p>
- New Mean = Old Mean
- New Mean > Old Mean

Bookmark 🔽

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Bookmark 🔽

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	Bookmark 🔽
A simple flip-flop has stable states.	
02	
C 4	
Question No.35	4.00
Write the type of inheritance depicted in the following figure.	Bookmark 🔽
Pillow Bed sheet	
Cot	
C Hierarchical inheritance	
Multi level inheritance Hybrid inheritance	
C Multiple inheritance	
Question No.36	4.00
	Bookmark 🕅
Arithmetic Mean of 'n' numbers of a series is \overline{X} . After calculations, it was observed tha number 'a' and 'b' misread in the place of 'c' and 'd'. what is the corrected mean value	t two
$\frac{n\overline{X} - (a+b) + (c+d)}{(n+1)}$	
$rac{\nabla}{\nabla} (a+b) + (a+d)$	
$\frac{n(1-1)(1-1)(1-1)(1-1)(1-1)}{n}$	
$n\overline{X} - (a+b) + (c+d)$	
(n-1)	
$\overline{X} - (a+b) + (c+d)$	
<u> </u>	
Question No.37	4.00
Given that P(A) =1/3,P(B) =3/4,P(A U B) = 11/12, the probability, P(B/A) =	Bookmark 🔽
0 1/2	
C 4/9	
C 1/6	
Question No.38	4.00
	Bookmark 🗖
The domain of the rational function $m^2 + m + 2$	
$f(x) = \frac{x^2 + x + 2}{x^2 - x}$ is	
$\sim R - \{0,1\}$	
° [0,1]	

 $\sim [0,1]$ $\sim R - \{1\}$

 $\circ R - \{0\}$

Question No.39

4.00 Bookmark

In the interval $(-\infty, -2]$, the function $f(x) = 2x^3 + x^2 - 20x$ is

© Increasing

C Strictly increasing

C Strictly decreasing

Decreasing

Question No.40

Expected number of the outcome when a die is thrown =

- 0 5/2
- 0 7/2
- O 9/2
- 0 11/2

Question No.41

If a coin is tossed until a head appears, then the approximate expected number of tosses required =

- 02 03
- 0.1
- 04

Question No.42

Identify the invalid statement.

- C Constructors and destructors are executed automatically
- C Constructors and destructors can be overloaded
- O Constructors and destructors are defined as the member functions of the class
- C Constructors and destructors have the same name of the class

Question No.43

 $\frac{1}{n}\sum_{i=1}^{n}(x_i - A)^2$ is minimum when A= O Median

- O Geometric Mean
- O Mean
- O Mode

Question No.44

A cylindrical hole 4mm in diameter and 12mm deep in a metal block is rebored to increase the diameter to 4.12 mm . Estimate the amount of metal removed.

° 2.80π mm³

- $^{\circ}$ 2.00 π mm³
- $\circ 2.09\pi \, mm^3$
- ° 2.89π mm³

Question No.45

Which of the following is the model social category in an area of residents

Social category	SC	ST	BC	OC
Number of residents	45	28	90	56
o oc				-
O SC				
© ST				
O BC				

Question No.46

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(1) (2) (3) (4) C 4	
C 1	
0 2	
Question No.47	4.00 Bookmark □
 Based on the information given answer the following question. 1. In a family of six persons, there are people from three generations. Each has separate professions and they like different colours. There are two couples. 2. Shyam is an Engineer and his wife is not a doctor and she does not like Red colour. 3. Chartered Accountant likes green colour and his wife is a teacher. 4. Manisha is the mother-in-law of Sunita and she likes orange colour. 5. Vimal is the grand father of Tarun and tarun is the Principal and likes black colour. 6. Nyna is the grand daughter of Manisha and she likes blue colour. Nyna's Mother likes white colour. 	
What is the profession of Sunita? C Cannot be determined C Chartered Accountant	
C Teacher	
Question No.48	4.00
The radius of a sphere was measured	
and found to be 21cm with a possible	
error in measurement of atmost	
0.05cm. What would be the % of	
c 8	
C 6	
C 5	
Question No.49	4.00
	Bookmark
Expectation is independent of change of	Bookmark 🖂
Expectation is independent of change of C Origin only C both origin & scale	Bookmark 🖂
Expectation is independent of change of C Origin only C both origin & scale C neither origin nor scale	Bookmark 🖂
Expectation is independent of change of C Origin only C both origin & scale C neither origin nor scale C scale only	Bookmark ∏
Expectation is independent of change of C Origin only C both origin & scale C neither origin nor scale C scale only	Bookmark
Expectation is independent of change of C Origin only C both origin & scale C neither origin nor scale C scale only	Bookmark ∏
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Expectation is independent of change of C Origin only C both origin & scale C neither origin nor scale C scale only	Bookmark
Expectation is independent of change of C Origin only C both origin & scale C neither origin nor scale C scale only	Bookmark
Expectation is independent of change of Crigin only Coton origin & scale Coneither origin nor scale Coscale only Question No.50	Bookmark 4.00 Bookmark
Expectation is independent of change of Corigin only both origin & scale c neither origin nor scale c scale only	Bookmark □ 4.00 Bookmark □
Expectation is independent of change of Origin only both origin & scale neither origin nor scale scale only Question No.50 Cov(X,Y) can be calculated for the paired data like (X_i,Y_j), i =m, j≠ m i ≠j = either m or n 	Bookmark 4.00 Bookmark
Expectation is independent of change of Corigin only both origin & scale neither origin nor scale scale only Cuestion No.50 Cov(X,Y) can be calculated for the paired data like (X _i ,Y _j), i = m, j≠ m i = j= n	Bookmark 4.00 Bookmark
Expectation is independent of change of ○ Origin only ○ both origin & scale ○ neither origin nor scale ○ scale only	Bookmark 4.00 Bookmark
Expectation is independent of change of Corigin only both origin & scale neither origin nor scale scale only	Bookmark 4.00 Bookmark
Expectation is independent of change of C Origin only both origin & scale c neither origin nor scale c scale only	Bookmark 4.00 Bookmark
Expectation is independent of change of C Origin only both origin & scale neither origin nor scale c scale only	Bookmark 4.00 Bookmark
Expectation is independent of change of C Origin only both origin & scale r neither origin nor scale c scale only	Bookmark 4.00 Bookmark 4.00 Bookmark 4.00 Eookmark 4.00
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Expectation is independent of change of Origin only C both origin & scale C neither origin nor scale C scale only Cuestion No.50 Cov(X,Y) can be calculated for the paired data like (X_i, Y_i) , C i =m, j ≠ m C i =m, j ≠ m C i =j = m C i $\neq n$, j = n Cuestion No.51 Cuestion No.51 Cuestion No.51	Bookmark 4.00 Bookmark 4.00 Bookmark 4.00
Expectation is independent of change of C Origin only C both origin & scale C neither origin nor scale C scale only Cuestion No.50 Cov(X, Y) can be calculated for the paired data like (X ₁ ,Y ₁). C i =m, j≠ m C i =m, j≠ m C i =j = either m or n C i =j = n C i ≠ n, j = n C i $\neq n$, $j = n$ Cuestion No.51 Cuestion No.51 The solution of $\tan^{-1}(2x) + \tan^{-1}(3x) = \frac{\pi}{4}$ is C $S = (150 - S)e^{kt}$	Bookmark 4.00 Bookmark 4.00 Bookmark
Expectation is independent of change of C Origin only C both origin & scale C neither origin nor scale C scale only Cuestion No.50 Cov(X: Y) can be calculated for the paired data like (X ₁ ,Y ₁), C i =m, j≠ m C i ≠j = either m or n C i ≠j = either m or n C i ≠j = either m or n C i ≠j = n C i ≠ n, j = n C i ≠ n, j = n C i ≠ n, j = n C i $\neq n, j = n$ Cuestion No.51 Cuestion No.51	Bookmark 4.00 Bookmark 4.00 Bookmark 4.00 Bookmark
Expectation is independent of change of C origin only C both origin A scale C neither origin nor scale C scale only Cuestion No.50 Cov(X, Y) can be calculated for the paired data like (X_i, Y_j) . C i =m, j = m C i =j = itherm or n C i =j = n C i $\neq n, j = n$ Cuestion No.51 The solution of $\tan^{-1}(2x) + \tan^{-1}(3x) = \frac{\pi}{4}$ is C $S = (150 - S)e^{kt}$ C $S = (150 - S)e^{kt}$	Bookmark 4.00 Bookmark 4.00 Bookmark 4.00 Bookmark
Expectation is independent of change of C Origin only C both origin & scale C neither origin nor scale C scale only Cov(X, Y) can be calculated for the paired data like (X ₁ ,Y ₁), C i =m, j = m C i =j=n C	Bookmark 4.00 Bookmark 4.00 Bookmark 4.00 Bookmark

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If a, b and c are in arithmetic progression then the value of the determinant $\begin{vmatrix} x+2 & x+3 & x+2a \\ x+3 & x+4 & x+2b \\ x+4 & x+5 & x+2c \end{vmatrix}$ is $\circ x = 2i;$ $y = \pm 1$ $\circ x = \pm 2i;$ y = 1 $\circ x = \pm 2i;$ $y = \pm 1$ $x = \pm 2i;$ y = -1

Question No.53

Which of the following is an object oriented feature?

C Structure

O Union

- O Data abstraction
- C Macro processing

Question No.54

The shortest distance of the point (2,10,1) from the plane $\vec{r}.(3\vec{\iota}-\vec{j}+$ $(4\vec{k}) = 2\sqrt{26}$ is 02 ° 2√26 o 1 $\sqrt{26}$

∘ √26

Question No.55

One among the following is not a valid classification of computers with respect to the instruction set.

- O WISC
- O EPIC
- O CISC
- O RISC

Question No.56

"Divide by zero" is a _ error.

- O Syntax error
- C Logical error
- C Run time error
- C Language error

Question No.57

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Bookmark

Nidhi walks 10 metres in front and 10 metres to the right. Then every time turning to her left, she walks 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point?

C 10 metres

- © 5 metres
- C 15 metres
- O None of these

Question No.58 Which is not a network topology? O Bus O Tree	4.00 Bookmark ∏
© Ring © Star Question No.59	4.00 Bookmark □
$\lim_{x \to 4} \frac{ x-4 }{ x-4 }$ is	
0 Does not exist 0 1 0 -1 0 0 Output to 10	400
The more appropriate value of $\sin^{-1}\left(\sin\frac{3\pi}{5}\right)$ is	4.00 Bookmark ∏
$ \begin{array}{c} 0 & \frac{9\pi}{5} \\ 0 & \frac{2\pi}{5} \\ 0 & - \end{array} $	
$\frac{3\pi}{5}$ C $\frac{8\pi}{5}$	
Question No.61 If A and B are exclusive events then P(A/B) = C P(A) C 0 C 1 C P(B)	4.00 Bookmark ∏
Question No.62	4.00 Bookmark 🗖
Question No.63 Sum of 9 numbers and unknown number 'x' is 90, then the mean value is 0 10 0 90 0 11 0 9	4.00 Bookmark ⊑
Question No.64	4.00 Bookmark ∏

The equation of the plane passing through the point (2, 1, -1) and the line of intersection of the planes $\vec{r} \cdot (\vec{\iota} + 3\vec{j} - \vec{k}) = 0$ and $\vec{r} \cdot (\vec{\iota} + 2\vec{k}) = 0$ is

x + 9y + 11z	
= 0	
c x + 4y - z = 0	
$\begin{array}{c} c 2x + y - z + 5 \\ = 0 \end{array}$	
l	
Question No 65	4 00
Which of the following operator is having highest precedence?	Bookmark
O *	
Question No.66	4.00 Bookmark
SQL is expanded as O String Query Language	
○ Sequential Query Language	
C Syntax Query Language	
 Syntax Query Language Structured Query Language 	
Syntax Query Language Structured Query Language Question No.67	4.00
Syntax Query Language Structured Query Language Question No.67 Which is an invalid category of database?	4.00 Bookmark [□
Syntax Query Language Structured Query Language Question No.67 Which is an invalid category of database?	4.00 Bookmark ⊡
Syntax Query Language Structured Query Language Question No.67 Which is an invalid category of database? Formal database Network database Hierarchical database Relational database	4.00 Bookmark ⊡
Syntax Query Language Structured Query Language Question No.67 Which is an invalid category of database? Formal database Network database Hierarchical database Relational database	4.00 Bookmark ⊡ 4.00
Syntax Query Language Structured Query Language Question No.67 Which is an invalid category of database? Formal database Network database Network database Relational database Relational database Question No.68	4.00 Bookmark 4.00 Bookmark
 Syntax Query Language Structured Query Language Question No.67 Which is an invalid category of database? Formal database Network database Hierarchical database Relational database Question No.68 The rank of the matrix 	4.00 Bookmark 4.00 Bookmark
$\begin{array}{c} \circ \text{ Syntax Query Language} \\ \hline \\ $	4.00 Bookmark ↓ 4.00 Bookmark
$ \begin{array}{c} \circ \text{ Syntax Query Language} \\ \hline \\ $	4.00 Bookmark 4.00 Bookmark
$ \begin{array}{c} \circ \text{ Syntax Query Language} \\ \circ \text{ Structured Query Language} \\ \hline \\ \hline \\ \\ \hline \\ \\ \hline \\ \hline \\ \\ \hline \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \hline \\ \hline \\ \hline \\ \hline \hline \\ \hline \\ \hline \\ \hline \\ \hline \hline \\ \hline \\ \hline \hline \hline \\ \hline \hline \\ \hline \hline \hline \\ \hline \hline \hline \\ \hline \hline \hline \\ \hline \hline \hline \hline \\ \hline \hline \hline \hline \\ \hline \hline \hline \hline \hline \\ \hline \hline$	4.00 Bookmark ⊡ 4.00 Bookmark ⊡
$ \begin{array}{c} \circ \ \text{Syntax Query Language} \\ \circ \ \text{Structured Query Language} \\ \hline \\ $	4.00 Bookmark □ 4.00 Bookmark □
$ \begin{array}{c} \circ \ \text{Syntax Query Language} \\ \hline \\ $	4.00 Bookmark 4.00 Bookmark
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$ \begin{array}{c} \circ \text{ Syntax Query Language} \\ \circ \text{ Structured Query Language} \\ \hline \\ $	4.00 Bookmark □ 4.00 Bookmark □ 4.00 Bookmark □
$\begin{array}{c} c \text{Syntax Query Language} \\ c \text{Structured Query Language} \end{array}$	4.00 Bookmark 4.00 Bookmark 4.00 Bookmark 4.00
Cuestion No.67 Question No.67 Which is an invalid category of database? Cromal database Cherrorhical database Cuestion No.68 The rank of the matrix 1 1 2 -3 3 -2 0 -1 -3 -3 Cuestion No.69 -2 If four coins are tossed simultaneously and Let X be random variable represent the number heads as outcome, then E(X) = -1 -3 -2 -1 -3 -3 Question No.70	4.00 Bookmark □ 4.00 Bookmark □ 4.00 Cookmark □ 4.00 Cookmark 1
Cuestion No.67 Which is an invalid category of database? Comma database Comma database Comma database Comma database Construction No.68 The rank of the matrix $\begin{bmatrix} 1 & 1 & -1 \\ 2 & -3 & 4 \\ 3 & -2 & 3 \end{bmatrix}$ is C2 C0 C1 C3 Cuestion No.69 If four coins are tossed simultaneously and Let X be random variable represent the number heads as outcome, then E(X) = C4 C2 C1 C3 Cuestion No.69 If our coins are tossed simultaneously and Let X be random variable represent the number heads as outcome, then E(X) = C4 C1 C3 Cuestion No.70 Sitzeof is a	4.00 Bookmark 4.00 Bookmark 4.00 Bookmark 4.00 Bookmark 4.00

- C Function
- O Statement

The following relation holds good with Geometric Mean =

- ^C (Arithmetic Mean * Hormonic Mean)^{1/2}
- ^C (Arithmetic Mean * Hormonic Mean)²
- (Arithmetic Mean + Hormonic Mean)/2
- (Arithmetic Mean * Hormonic Mean)

Question No.72

Unsigned long integer ranges from _____ to ____

- C 0 to 65535
- © 0 to 4294967295
- O to 32767
- O to 2147483647

Question No.73

A can finish a work in 18 days and B can do the same work in half the time taken by A. Then, working together, what part of the same work they can finish in a day? C 0 1/8

0 0 1/6

0 0 1/2

0 1/2

O 0 1/4

Question No.74

The angle between the asymptotes of the hyperbola $\frac{x^2}{2} - \frac{y^2}{4} = 1$ is approximately

- O 3 + 4i (OR) -3 -4i
- O -3 + 4i (OR) 3 4i
- O 3 4i (OR) -3 4i
- O 3 + 4i (OR) 3 4i

Question No.75

Statement: Ten Candidates, who were on the waiting list could finally be admitted to the course. Assumptions:

I. A large of number of candidates were on the waiting list.

II. Wait listed candidates do not ordinarily get admission. $\hfill \ensuremath{\mathbb{C}}$ If only assumption II is implicit

- If only assumption I is implicit
- C If both I and II are implicit
- O If neither I nor II is implicit

Question No.76

These poultry belong to Mr. Kishen, our new neighbor

- The underlined word is a _____noun.
 - C common
 - C collective
 - O proper
 - O abstract

Question No.77

If $\overline{x}_1 = \overline{x}_2$ and $n_1 = n_2$ then $\sigma^2 = \frac{\sigma}{(s_1^2 - s_2^2)}$

- $(s_1^2 + s_2^2)/2$
- $(s_1^2 s_2^2)/2$
- $\circ s_1^2 + s_2^2$

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$^{\circ}$ 24 $\sqrt{5}$ m	
$^{\circ}$ 20 $\sqrt{2}$ m	
$^{\circ}$ 48 $\sqrt{2}$ m	
$C 24\sqrt{3} m$	
Question No.86	4.00
Expectation of random variable is usually referred as	okmark
C Range C Mode	
○ Median	
C Average	
Question No.87	4.00
Find the odd one out?	okmark 🕅
© Debit	
○ Withdrawal	
Question No.88	4.00
Boo Statement: Apart from it's entertainment value of Television, it's educational value cannot be ignored	okmark 🕅
Assumptions: I. People take Television to be the means of entertainment only. II. The educational value of Television is not realized properly	
O If neither I nor II is implicit	
© If both I and II are implicit	
C If only assumption Lis implicit	
Question No.89	4.00
Question No.89	4.00 okmark 🗖
Question No.89 The domain of the reciprocal for stignt of $f(x) = x$ is	4.00 okmark 🗖
Question No.89 The domain of the reciprocal function of $f(x) = x$ is	4.00 okmark 🗖
Question No.89 The domain of the reciprocal function of $f(x) = x$ is $\circ (-\infty, \infty)$	4.00 okmark ⊡
Question No.89 The domain of the reciprocal function of $f(x) = x$ is $\circ (-\infty, \infty)$ $\circ (-\infty, 0)$	4.00 okmark ∏
Question No.89 Box The domain of the reciprocal function of $f(x) = x$ is \circ $(-\infty, \infty)$ \circ $(-\infty, 0)$ \circ $(-\infty, 0)$ \circ $(-\infty, 0) \cup (0, \infty)$	4.00 okmark ⊡
Question No.89 Bor The domain of the reciprocal function of $f(x) = x$ is \circ ($-\infty, \infty$) \circ ($-\infty, \infty$) \circ ($-\infty, 0$) \cup ($0, \infty$) \circ ($0, \infty$)	4.00 okmark ∏
Question No.89 Box The domain of the reciprocal function of $f(x) = x$ is \circ ($-\infty, \infty$) \circ ($-\infty, \infty$) \circ ($-\infty, 0$) \circ ($0, \infty$)	4.00 okmark []
Question No.89 Box The domain of the reciprocal function of $f(x) = x$ is \circ ($-\infty, \infty$) \circ ($-\infty, 0$) \cup ($0, \infty$) \circ ($0, \infty$) \odot ($0, \infty$) Box Box	4.00 okmark 4.00 okmark
Question No.89 Box The domain of the reciprocal function of $f(x) = x$ is \circ \circ $(-\infty, \infty)$ \circ \circ $(-\infty, 0)$ \circ \circ $(-\infty, 0)$ \circ \circ $(-\infty, 0)$ \circ \circ $(-\infty, 0) \cup (0, \infty)$ \circ \circ $(0, \infty)$ \circ Box Box lim $\sin(\beta x)$ $\alpha \neq 0$ is	4.00 okmark 4.00 okmark
Question No.39 Bor The domain of the reciprocal function of $f(x) = x$ is \circ \circ $(-\infty, \infty)$ \circ \circ $(-\infty, 0)$ \circ \circ $(-\infty, 0) \cup (0, \infty)$ \circ \circ $(0, \infty)$ \circ Question No.90 Bor Description α $\alpha \neq 0$ is	4.00 okmark 4.00 okmark
Question No.89 Box The domain of the reciprocal function of $f(x) = x$ is \circ $(-\infty, \infty)$ \circ $(-\infty, 0)$ \circ $(-\infty, 0)$ \circ $(-\infty, 0) \cup (0, \infty)$ \circ $(0, \infty)$ Question No.90 Box Box Box	4.00 okmark 4.00 okmark
Cuestion No.89 Bo The domain of the reciprocal function of $f(x) = x$ is c ($-\infty, \infty$) c ($-\infty, 0$) c ($-\infty, 0$) c ($-\infty, 0$) \cup ($0, \infty$) c ($0, \infty$) Cuestion No.90 Boo Boo Boo $\lim_{x \to 0} \frac{\sin(\beta x)}{\sin(\alpha x)}, \alpha \neq 0$ is c $\frac{\alpha}{\beta}$	4.00 okmark 4.00 okmark
Question No.89 Bo The domain of the reciprocal function of $f(x) = x$ is c $c (-\infty, \infty)$ $c (-\infty, 0)$ $c (-\infty, 0) \cup (0, \infty)$ $c (0, \infty)$ $c (0, \infty)$ Bo Bo Bo $c (-\infty, 0) \cup (0, \infty)$ $c (0, \infty)$ <th>4.00 okmark [] 4.00 okmark []</th>	4.00 okmark [] 4.00 okmark []
Question No.89 Bo The domain of the reciprocal function of $f(x) = x$ is c ($-\infty, \infty$) c ($-\infty, 0$) c ($-\infty, 0$) c ($-\infty, 0$) \cup ($0, \infty$) c ($0, \infty$) Cuestion No.90 Bo Box Box $\lim_{x \to 0} \frac{\sin(\beta x)}{\sin(\alpha x)}, \alpha \neq 0$ is c $\frac{\alpha}{\beta}$ c $\frac{\beta}{\alpha}$ α	4.00 okmark 4.00 okmark
Question No.89 Bo The domain of the reciprocal function of $f(x) = x$ is \circ ($-\infty, \infty$) \circ ($-\infty, 0$) \circ ($-\infty, 0$) \circ ($-\infty, 0$) \cup ($0, \infty$) \circ ($0, \infty$) Boo Cuestion No.90 Boo Cuestion No.90 Cuestion No.90 Boo Im $_{x \to 0} \frac{\sin(\beta x)}{\sin(\alpha x)}, \alpha \neq 0$ is $\circ \frac{\alpha}{\beta}$ $\circ \frac{\beta}{\alpha}$ $\circ \frac{\beta}{\alpha}$ $\circ \frac{\beta}{\alpha}$ $\circ \frac{-\alpha}{\alpha}$	4.00 okmark [] 4.00 okmark []
Cuestion No.39 Bo The domain of the reciprocal function of $f(x) = x$ is \circ ($-\infty, \infty$) \circ ($-\infty, 0$) \circ ($0, \infty$) \circ ($0, \infty$) \circ ($0, \infty$) Cuestion No.90 Boo $\lim_{x \to 0} \frac{\sin(\beta x)}{\sin(\alpha x)}, \alpha \neq 0$ is \circ $\frac{\alpha}{\beta}$ \circ $\frac{\alpha}{\beta}$ α \circ $\frac{\alpha}{\beta}$ α \circ $\frac{\alpha}{\beta}$ α \circ $-\frac{\alpha}{\beta}$ α	4.00 okmark 4.00 okmark
Cuestion No.83 Bo The domain of the reciprocal function of $f(x) = x$ is \circ ($-\infty, \infty$) \circ ($-\infty, \infty$) \circ ($-\infty, 0$) \circ ($-\infty, 0$) \cup ($0, \infty$) \circ ($-\infty, 0$) \cup ($0, \infty$) \circ ($0, \infty$) \Box Cuestion No.90 Boo $Boo Boo \Box \Box \sigma \sigma \sigma \sigma \sigma \sigma \circ \sigma $	4.00 okmark □ 4.00 okmark □
Cuestion No.89 Box The domain of the reciprocal function of $f(x) = x$ is c c $(-\infty, \infty)$ c $(-\infty, 0)$ c $(-\infty, 0) \cup (0, \infty)$ c c $(0, \infty)$ c c $(0, \infty)$ c bix bix bix c c $(0, \infty)$ c c $(0, \infty)$ c c $\frac{\beta}{\sin(\alpha x)}$, $\alpha \neq 0$ is bix c $\frac{\beta}{\alpha}$ c c $\frac{\beta}{\alpha}$ c c $\frac{-\alpha}{\beta}$ c c $\frac{-\beta}{\alpha}$ c c $\frac{-\beta}{\alpha}$ c	4.00 okmark □ 4.00 okmark □
Question No.89 Box The domain of the reciprocal function of $f(x) = x$ is c $c (-\infty, \infty)$ $c (-\infty, 0)$ $c (-\infty, 0)$ $c (-\infty, 0) \cup (0, \infty)$ $c (0, \infty)$ Box Duestion No.90 Box Box Duestion No.90 $c (0, \infty)$ Duestion No.90 Box Box Box $C = \frac{\beta}{\alpha}$	4.00 okmark □ 4.00 okmark □
Creation No.39 Box The domain of the reciprocal function of $f(x) = x$ is \circ ($-\infty, \infty$) \circ ($-\infty, 0$) \circ ($0, \infty$) \circ ($0, \infty$) \circ $\lim_{x \to 0} \frac{\sin(\beta x)}{\sin(\alpha x)}, \alpha \neq 0$ is Box c $\frac{\beta}{\alpha}$ \circ $\frac{-\beta}{\alpha}$	4.00 okmark □ 4.00 okmark □

int days [] = {1,2,3,4,5,6,7};

- C char name[];
- consti = 10; double val [i];

Question No.92

The integrating factor of $(1 + y^2)dx = (tan^{-1}y - x)dy$ is e^{tanx} $e^{tan^{-1}y}$ e^{tany} $e^{tan^{-1}x}$

Question No.93

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

(y - 2x) = cxy $(y - 2x) = cxy^{2}$ $(y + 2x) = cx^{2}y$

 $(y-2x) = cx^2y$

Question No.94

Study the following information carefully and answer the question below it

Lakshman passes through seven lanes to reach his school. He finds that 'Truth lane' is between his house and 'Lie lane'. The third lane from his school is 'Karma lane'. 'Dharma lane' is immediately before the 'Yog lane'. He passes 'Salvation lane' at the end, 'Lie lane' is between 'Truth lane' and 'Dharma lane', the sixth lane from his house is 'Devotion lane'.

If Lakshman's house, each lane and his school are equidistant and he takes 2 minutes to pass one lane, then how long will he take to reach school from his house?

- C 13 minutes
- C 16 minutes
- C 15 minutes
- C 14 minutes

Question No.95

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Bookmark

The point at which the tangent to the curve $y = \sqrt{4x - 3} - 1$ has its slope 2/3 is

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

$$\theta = \frac{\pi}{4}$$

Question No.96

4.00 Bookmark

Seeta lives in Chennai and her younger sister Geeta lives in Andaman.Geeta has visited Seeta several times and during the same period Seeta has visited Geeta only once.What Conclusion can be drawn from above?

Seeta is older than Geeta

O Geeta wants to move to Chennai

O Geeta loves her sister Seeta

C Geeta lives in a boring place

Assertion: -Manmohan Singh is widely recognised as the chief architect of liberalisation in India

Reason: - Manmohan Singh was the finance minister who first started opening up the Indian economy in 1991.

- O A is false but R is true
- $\ensuremath{\mathbb{C}}$ Both A and R are true and R is not the correct explanation of A
- O A is true but R is false
- O Both A and R are true and R is the correct explanation of A

Question No.98

Select the Pair that best respresents the relationship that is given in the question: Explore : Discover

- C Tree : Wood
- C Books : Knowledge
- C Think : Relate
- C Research : Learn

Question No.99

The Range of the following data is 23,1,21,24,43,51,15,26,13

- O 50
- O 51
- 01
- O 25

Question No.100

If "P" represents the variable complex number "z" and if $\arg\left(\frac{z-1}{z+3}\right) = \frac{\pi}{2}$, then the locus of "P" is $\sqrt[c]{\sqrt{3}:1}$ $\sqrt[c]{\sqrt{2}:1}$ $\sqrt[c]{3:1}$ $\sqrt[c]{2:1}$ Bookmark 🗆

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