For the following questions answer them individually

Question 1
Which of the following interchange of signs would make the equation correct?

$8 \times 6 + 2 = 22$

A  $+, \times, 2$ and $6$
B  $+, \times, 2$ and $8$
C  $+, \times, 6$ and $8$
D  $+, \times, 2$ and $22$

Answer: C

Explanation:
Expression: $8 \times 6 + 2 = 22$

(A) $+: \times, 2$ and $6$
$\equiv 8 + 2 \times 6 = 22$
L.H.S. $= 8 + 12 = 20 \neq$ R.H.S.

(B) $+: \times, 2$ and $8$
$\equiv 2 + 6 \times 8 = 22$
L.H.S. $= 2 + 48 = 50 \neq$ R.H.S.

(C) $+: \times, 6$ and $8$
$\equiv 6 + 8 \times 2 = 22$
L.H.S. $= 6 + 16 = 22 = \text{R.H.S.}$

$\Rightarrow \text{Ans} - (C)$

SSC CGL Free Mock Test

Question 2
If ‘-’ stands for addition, ‘+’ stands for subtraction, ‘\times’ stands for multiplication and ‘\div’ stands for division, then which one of the following equation is correct?

A  $50 \times 2 \div 30 + 25 = 25$
B  $50 - 30 + 5 \div 2 \times 30 = 25$
C  $40 + 35 \times 2 \div 50 = 95$
D  $30 \times 2 - 25 + 50 \div 5 = 100$

Answer: A

Explanation:
(A) $50 \times 2 \div 30 + 25 = 25$
$\equiv 50 \div 5 \times 2 + 30 = 25$
L.H.S. $= 10 \times 2 + 5$
$= 20 + 5 = 25 = \text{R.H.S.}$
Instructions

In each of the following questions, some equations are solved on the basis of certain system. Find out the correct answer for the unsolved equation on that basis.

Question 3

\[2 \times 4 \times 6 = 4;\]
\[9 \times 3 \times 7 = 13;\]
\[4 \times 7 \times 6 = 3;\]
\[9 \times 7 \times 8 = ?\]

A 10
B 09
C 08
D 07

Answer: A

Explanation:
The pattern followed is that all the numbers are added and twice of the middle number is subtracted from the sum to obtain final result.

Eg: \[2 \times 4 \times 6 = (2 + 4 + 6) - (2 \times 4) = 12 - 8 = 4\]
and \[9 \times 3 \times 7 = (9 + 3 + 7) - (2 \times 3) = 19 - 6 = 13\]
and \[4 \times 7 \times 6 = (4 + 7 + 6) - (2 \times 7) = 17 - 14 = 3\]
Similarly, \[9 \times 7 \times 8 = (9 + 7 + 8) - (2 \times 7) = 24 - 14 = 10\]
=> Ans - (A)

Question 4

\[3 \times 5 \times 7 \times 2 = 24,\]
\[2 \times 4 \times 6 \times 8 = 22,\]
\[4 \times 4 \times 8 \times 9 = ?\]

A 33
B 25
C 144
D 1152

Answer: A

Explanation:
The product of the first two numbers is added to the sum of last two numbers.

Eg: \[(3 \times 5) + (7 + 2) = 15 + 9 = 24\]
and \[(2 \times 4) + (6 + 8) = 8 + 14 = 22\]
Similarly, \[(4 \times 4) + (8 + 9) = 16 + 17 = 33\]
=> Ans - (A)

125 SSC CGL Mocks for just Rs. 199

Instructions

In each of the following questions, select the missing number from the given responses:
Question 5

<table>
<thead>
<tr>
<th>96</th>
<th>?</th>
<th>168</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>48</td>
<td>56</td>
</tr>
<tr>
<td>16</td>
<td>24</td>
<td>28</td>
</tr>
</tbody>
</table>

A 52
B 144
C 64
D 38

Answer: B

Explanation:

Let the missing term be \( y \)

Here, in 1st column,

\[16 \times 2 = 32\]
\[32 \times 3 = 96\]

In 3rd column,

\[28 \times 2 = 56\]
\[56 \times 3 = 168\]

So in 2nd column the same pattern is going to get followed

\[24 \times 2 = 48\]
\[48 \times 3 = 144\]

And hence \( y = 144 \)

Question 6

<table>
<thead>
<tr>
<th>7</th>
<th>8</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>9</td>
<td>?</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>84</td>
<td>216</td>
<td>900</td>
</tr>
</tbody>
</table>

A 90
B 70
C 65
D 30

Answer: D

Explanation:
let the missing term be \( y \)

here in 1st column we can see that \( 84 = 7 \times 6 \times 2 \)
in 2nd column we can see that \( 216 = 8 \times 9 \times 3 \)
so in 3rd column the same thing is going to get followed,
and hence \( 900 = 5 \times y \times 6 \)

\[ y = 30 \]

**Question 7**

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3</td>
<td>4</td>
<td>?</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>196</td>
<td>121</td>
<td>144</td>
<td>225</td>
</tr>
</tbody>
</table>

A 4
B 5
C 6
D 3

Answer: B

**Explanation:**

let the missing term be \( y \)

as we can see that on every column,

\[ 196 = (2 + 3 + 4 + 5)^2 \]
\[ 121 = (3 + 1 + 2 + 5)^2 \]
\[ 144 = (4 + 4 + 2 + 2)^2 \]

and hence this same pattern will follow in every column

so, \( 225 = (y + 2 + 6 + 2)^2 \)

\[ y = 5 \]
Instructions
In each of the following questions, select the related word/letters/numbers from the given alternatives.

Question 8
SOCIAL : OCIALS : : DRIVEN : ?

A VENRID
B NEVIRD
C RIVEND
D VIREND

Answer: C

Explanation:
we are given that SOCIAL : OCIALS : : DRIVEN : ?
in SOCIAL : OCIALS, we can see that first alphabet is shifted to last
and hence the same thing will be done in 2nd case
and hence DRIVEN : RIVEND

Question 9

A 128
B 126
C 144
D 132

Answer: A

Explanation:
\[
\frac{1}{8} : \frac{1}{64} = 8
\]
let the missing number be y
\[
\frac{1}{16} : y = 8
\]
\[y = 128\]

Question 10

29 : 87 : : 79 : ?

A 120
B 292
C 237
D 131

Answer: C
Explanation:
let the missing number be y

\[
\begin{align*}
29 : 87 : : 79 : y \\
\frac{29}{87} &= \frac{79}{y} \\
87 \times 79 &= 29 \times y \\
y &= \frac{87 \times 79}{29} \\
y &= 237
\end{align*}
\]

25 SSC CHSL Mocks for just Rs. 149

Question 11
Embarrassed : Humiliated :: Frightened : ?

A Terrified
B Agitated
C Courageous
D Reckless

Answer: A

Explanation:
Embarrassed and humiliated are synonyms, thus the word with similar meaning as frightened is terrified.

=> Ans - (A)

Question 12
Macabre : Lovely : : Baneful : ?

A Unharmful
B Churlish
C Filter
D Ugly

Answer: A

Explanation:
Macabre and lovely are antonyms, thus the word with opposite in meaning as baneful (harmful) is unharmful.

=> Ans - (A)

Question 13
AYRRJC : CATTLE : : NCPDCAR : ?

A SUBJECT
B NEGLECT
C PERFECT
D OPERATE

Answer: C

Explanation:
Expression = AYRRJC : CATTLE

The pattern followed is:

<table>
<thead>
<tr>
<th>A</th>
<th>Y</th>
<th>R</th>
<th>R</th>
<th>J</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>(+2)</td>
<td>(+2)</td>
<td>(+2)</td>
<td>(+2)</td>
<td>(+2)</td>
<td>(+2)</td>
</tr>
<tr>
<td>C</td>
<td>A</td>
<td>T</td>
<td>T</td>
<td>L</td>
<td>E</td>
</tr>
</tbody>
</table>

Similarly, for NCPDCAR:

<table>
<thead>
<tr>
<th>N</th>
<th>C</th>
<th>P</th>
<th>D</th>
<th>C</th>
<th>A</th>
<th>R</th>
</tr>
</thead>
<tbody>
<tr>
<td>(+2)</td>
<td>(+2)</td>
<td>(+2)</td>
<td>(+2)</td>
<td>(+2)</td>
<td>(+2)</td>
<td>(+2)</td>
</tr>
<tr>
<td>P</td>
<td>E</td>
<td>R</td>
<td>F</td>
<td>E</td>
<td>C</td>
<td>T</td>
</tr>
</tbody>
</table>

=> Ans - (C)

SSC CGL Tier-2 Previous Papers PDF

Instructions

In each of following questions, find the odd word/number/letters/number pair from the given alternatives:

Question 14

A Square  
B Trapezium  
C Cylinder  
D Parallelogram

Answer: C

Explanation:
Square, trapezium and parallelogram are 2 dimensional figure, hence cylinder which is a 3-D figure is the odd one.

=> Ans - (C)

Question 15

A Yacht  
B Submarine  
C Boat  
D Ship

Answer: B

Explanation:
All except a submarine sail on the water, while a submarine is submerged into it, hence it is the odd one out.

=> Ans - (B)

Question 16

A Autobiography  
B Malayalam  
C Intelligence  
D Dictionary

Answer: B

Downloaded from cracku.in
Malayalam is a language of Kerala, hence it is the odd one.

=> Ans - (B)

Question 17

A  MIGE  
B  XTQO  
C  RNKI  
D  HDAY  

Answer: A

Explanation:
(A) : M (-4 letters) = I (-2 letters) = G (-2 letters) = E
(B) : X (-4 letters) = T (-3 letters) = Q (-2 letters) = O
(C) : R (-4 letters) = N (-3 letters) = K (-2 letters) = I
(D) : H (-4 letters) = D (-3 letters) = A (-2 letters) = Y

=> Ans - (A)

Question 18

A  42 : 4  
B  48 : 6  
C  32 : 2  
D  15 : 5  

Answer: A

Explanation:
All the numbers except 42 are completely divisible by the second number, hence 42 : 4 is the odd one out.

=> Ans - (A)

Question 19

A  Year 2012  
B  Year 1998  
C  Year 2005  
D  Year 1997  

Answer: A

Explanation:
Among all the given options, only year 2012 is a leap year, hence it is the odd one.

=> Ans - (A)
Question 20

Arrange the following words as per order in the dictionary:
I. Euphrasy
II. Eupepsy
III. Euphonic
IV. Eugenic
V. Euphony

A. IV, III, II, I, V
B. III, IV, I, II, V
C. IV, II, III, V, I
D. III, V, II, IV, I

Answer: C

Explanation:
As per order in the dictionary:
= Eugenic -> Eupepsy -> Euphonic -> Euphony -> Euphrasy
= IV, II, III, V, I
=> Ans - (C)

Question 21

Which one of the given responses would be a meaningful order of the following?
I. Absorption
II. Digestion
III. Nutrition
IV. Excretion

A. III, I, II, IV
B. II, I, III, IV
C. III, IV, II, I
D. III, II, I, IV

Answer: D

Explanation:
The process that happens internally in a body follows the order:
= Nutrition -> Digestion -> Absorption -> Excretion
= III, II, I, IV
=> Ans - (D)

Instructions
In each of the following questions, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

Question 22

0, ?, 8, 27, 64, 125

A. 5
B. 4

Answer: A
Answer: D

Explanation:
here the given pattern is 0, 8, 27, 64, 125
let the missing term be y
as we can see that every pateern is a cube of consecutive whole number starting from 0
0 = 0^3
8 = 2^3
64 = 4^3
125 = 5^3
so the missing term is , y = 1^3 = 1

General Science Notes for SSC CGL

Question 23
BMX, DNW, FOV, ?

A GHO
B GPS
C HPS
D HPU

Answer: D

Explanation:
here the given series is BMX, DNW, FOV, ?
as we can see that 1st alphabet of every term in series is alternative element starting from B
2nd alphabet if every term series is consecutive alphabets starting from M and 3rd alphabet in every term in the series is retracing back every consecutive alphabet starting from X
and hence the missing pattern is HPU

Question 24
655, 637, 622, 610, 601, ?

A 598
B 595
C 596
D 597

Answer: B

Explanation:
Let the missing number be x.
The difference between every two consecutive numbers is forming a pattern.
As the difference is getting reduced by 3 every time. So 601 - x = 6 which implies that the missing number x = 595

**Question 25**

1, 5, 25, 125, ?, ?, ?

A 245, 485, 965
B 225, 325, 425
C 625, 3225, 15605
D 625, 3125, 15625

**Answer:** D

**Explanation:**
we have been given a series as 1, 5, 25, 125, ?, ?, ?
here we can see that every term is a power of 5
1 = $5^0$
5 = $5^1$
25 = $5^2$
125 = $5^3$
so the next term will also be a power of 5 and the terms are $5^4, 5^5, 5^6$, i.e., 625, 3125, 15625

**Instructions**
For the following questions answer them individually

**Question 26**

In a class composed of x girls y boys what part of the class is composed of girls?

A $y/(x+y)$
B $x/xy$
C $x/(x+y)$
D $y/xy$

**Answer:** C

**Explanation:**
No. of girls in class = x.
No. of boys in class = y.
Part of the class is composed of girls = \[ \frac{No.\text{of girls}}{No.\text{of students}} \]
\[= \frac{No.\text{of girls}}{x+y} \]
\[= x+y \]
Hence, Option C is correct.
Question 27
If a number is greater than 5 but less than 9 and greater than 7 but less than 11, the number is

A  5
B  6
C  7
D  8

Answer: D

Explanation:
Let no. be 'x'.
According to question,
5 < x < 9.
7 < x < 11.
From above inequalities,
7 < x < 9.
Only 8 is number satisfying above inequality.
\[ x = 8. \]
Hence, Option D is the correct answer.

Question 28
In a row, 25 trees are planted at equal distance from each other. The distance between 1st and 25th tree is 30 m. What is the distance between 3rd and 15th tree?

A  8m
B  15m
C  16m
D  18m

Answer: B

Explanation:
Let distance between two consecutive trees be 'x' m.
Distance between 1st and 25th tree = 24x.
According to question, \[ 24x = 30. \]
\[ x = 1.25 \text{ m.} \]
Distance between 3rd and 15th tree=12x.
\[ = 12 \times 1.25. \]
\[ = 15 \text{ m.} \]
Hence, Option B is correct.

Instructions
In each of the following questions, from the given alternative words, select the word which can be formed using the letters of the given word:

Question 29
INSTITUTIONALISE

A  INSULATION

Downloaded from cracku.in
Question 30

STIMULATION

A STATION
B NATION
C MOTION
D MOUTH

Answer: A

Explanation:
The word STIMULATION does not contain 2 N's, or 2 O's or any H, hence the last three words cannot be formed.
Only word that can be formed: Station
=> Ans - (A)

Instructions
For the following questions answer them individually

Question 31

In a certain code, TRIPPLE is written as SQHOOKD. How is DISPOSE written in that code?

A CHRONRD
B DSOESPI
C ESJTPTE
D ESOPSID

Answer: A

Explanation:
TRIPPLE is written as SQHOOKD
The pattern followed is:

<table>
<thead>
<tr>
<th>T</th>
<th>R</th>
<th>I</th>
<th>P</th>
<th>P</th>
<th>L</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>(-1)</td>
<td>(-2)</td>
<td>(-1)</td>
<td>(-1)</td>
<td>(-1)</td>
<td>(-1)</td>
<td>(-1)</td>
</tr>
<tr>
<td>S</td>
<td>Q</td>
<td>H</td>
<td>O</td>
<td>O</td>
<td>K</td>
<td>D</td>
</tr>
</tbody>
</table>

Similarly, for DISPOSE:

<table>
<thead>
<tr>
<th>D</th>
<th>I</th>
<th>S</th>
<th>P</th>
<th>O</th>
<th>S</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>(-1)</td>
<td>(-1)</td>
<td>(-1)</td>
<td>(-1)</td>
<td>(-1)</td>
<td>(-1)</td>
<td>(-1)</td>
</tr>
<tr>
<td>C</td>
<td>H</td>
<td>R</td>
<td>O</td>
<td>N</td>
<td>R</td>
<td>D</td>
</tr>
</tbody>
</table>

=> Ans - (A)
Question 32
Which letter in the word 'vertex' should be changed to mean spiral movement?

A 1st
B 2nd
C 4th
D Last

Answer: B

Explanation:
Vortex means spiral movement. Thus, 2nd letter in the word 'vertex', i.e., 'e' is changed to 'o'.

=> Ans - (B)

Question 33
If TRANSFER is coded as RTNAFSRE, then how ELEPHANT be coded in that code language?

A LEPEHATN
B LEPEAHTN
C LEEPAHTN
D LEPEAIINT

Answer: B

Explanation:
Given: TRANSFER is coded as RTNAFSRE
The pattern is that in groups of 2 letters (from either side), both letters are swapped.
Eg = TR : RT, AN : NA, SF : FS, ER : RE
Similarly, for EL EP HA NT : LE PE AH TN
Thus, ELEPHANT is written as LEPEAHTN

=> Ans - (B)

Question 34
If MONKO is coded as 57637, then how KLJMN be coded in the same code?

A 32456
B 34256
C 35156
D 32546

Answer: B

Explanation:
Given: MONKO is coded as 57637
Thus, I = 1, J = 2, K = 3, L = 4, M = 5 and so on.
Similarly, KLJMN = 34256
=> Ans - (B)

Daily Free SSC Practice Set

Question 35
Statement is given followed by two inferences I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given inferences, if any, follow from the given statement.

Statement : “Electric supply in Anand Colony will be cut tomorrow after 12 O’clock for three hours because repairing work will be carried out.”

Inferences :
I. Residents of Anand Colony may use their electrical appliances before 12 O’clock tomorrow.
II. Residents of Anand Colony need training for using electricity economically.

A Only inference I follows
B Only inference II follows
C Both the inferences follow
D None of the inferences follows

Answer: A

Explanation:
The given statement is a notice for the residents of Anand Colony to inform them about the electricity cut so that they use their electric appliances before 12 o’clock. The statement has no reference to whether or not the residents are using electricity economically.

Hence, only inference I follows.
=> Ans - (A)

Question 36
Anand travels 10 kms from his home to the east to reach his school. Then he travels 5 kms to the south to reach his father’s shop, after school. He then travels 10 kms to the west to help his uncle. How far and in which direction is he from his home ?

A 10 kms North
B 5 kms South
C 5 kms East
D 10 kms West

Answer: B

Explanation:
Let Anand started from point A and travelled east for 10 km to reach his school at B, then travelled south for 5 km to reach his father’s shop at C, finally travelled west for 10 km to stop at point D.
Thus, AD = 5 km
∴ Anand is 5 km to the south of his home.
Question 37

Four villages A, B, C and D lie in a straight line. D is 10 kms from B. A is exactly between D and C and C from B is 2 kms more than it is from D. How far is C from B?

A 41 cms  
B 6 kms  
C 8 kms  
D 2 kms  

Answer: B  

Explanation:  
Distance between D and B = 10 km  
C from B is 2 km more than it is from D, that means DC = 4 km and CB = 6 km  
A is exactly between D and C i.e. AD = 2 km and AC = 2 km  
Following figure represents all the above conclusions.  

Hence CB = 6 km  
=> Ans - (B)

Question 38

Select the alternative inference which is most appropriate. “All professors are learned; learned people are always gentle.”  
Inference: All professors are gentle persons.  

A The inference is true.  
B The inference is false.  
C The inference is probably true or probably false.  
D The inference is irrelevant.  

Answer: A  

Explanation:  
The venn diagram for above statements is:
Inference: All professors are gentle persons = true

=> Ans - (A)

Instructions
In each of the following questions, among four answer figures whose cut pieces can form the given question figure?

Question 39

A

B

C

Downloaded from cracku.in
Answer: D

Explanation:

By removing dots from circles and placing them above the straight lines, we can get figure in Option D.

Hence, Option D is correct.

Question 40
Answer: B

Explanation:

From above we can get parts as:

Hence, Option B is correct.

SSC CHSL Previous Question papers (download pdf)

Instructions
For the following questions answer them individually

Question 41
Which of the following answer figures cannot occur when the question figure given below is rotated?
Option A, B, D can be made by rotating the figure in anti-clockwise direction.
Option C is formed by flipping the figure and then rotating.
Hence, Option C is the correct answer.
Answer: C

Explanation:
Since, all humans are animals but birds belong to different class, Therefore, Option C is correct.

Question 43
Fruits, Apples, Oranges
Since, Apples and Oranges are both fruits. Hence, Options B is correct.

Free SSC Study Material (18,000 Solved Questions)

Instructions
For the following questions answer them individually

Answer: B
Question 44

In the diagram given below which letter (s) represents the students who play Cricket as well as Football and Hockey?

A. S + T + U
B. V
C. S
D. P + R + U

Answer: C

Explanation:

According to the figure, person who plays cricket as well as hockey and football has to be the one which is common to all 3 categories in the figure. From the figure, it is clear that 'S' is the only such person. Hence, Option C is correct.

Instructions

In each of the following questions, which answer figure will complete the pattern in the question figure?

Question 45
Answer: B

Explanation:
fits the figure.

Hence, Option B is correct.
Question 46

Answer: A

Explanation:
Question figure has series of circle which gets merge in second row and second column. Hence the figure that will complete the given image must have 4 circles which is option A.

Hence, Option A is correct.

Latest Job Updates on Telegram - Join here

Instructions
For the following questions answer them individually
Question 47
From the given answer figures, select the one in which the question figure is hidden/embedded.

A

B

C

D

Answer: A

Explanation:
Remove side edges from above figures.
Hence, Option A is correct.

Question 48

A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

[Images of question figures and answer options A, B, C]
Answer: C

Explanation:
By paper folding and cutting according to questions, we get figure as-

Hence, Option C is correct.

Question 49
If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?
Explanation:
A mirror image in a plane mirror is a reflection of an object that appears almost identical but is reversed in the direction perpendicular to the mirror surface.

Option C fits as the mirror image perfectly.

Hence, Option C is correct.

Join SSC Daily Quiz Telegram Group

Question 50
A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and 2 to 6 respectively and that of Matrix II are numbered from 2 to 6 and 7 to 0 respectively. A letter from these matrices can be represented first by its row and next by its column, e.g., 'H' can be represented by 04, 25, 32, etc., and 'N' can be represented by 21, 40, 59, etc. Similarly, you have to identify the set for the word given below

YEAR

MATRIX I

<table>
<thead>
<tr>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Y</td>
<td>A</td>
<td>H</td>
<td>M</td>
</tr>
<tr>
<td>1</td>
<td>M</td>
<td>J</td>
<td>H</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>A</td>
<td>Y</td>
<td>J</td>
<td>H</td>
</tr>
<tr>
<td>3</td>
<td>H</td>
<td>J</td>
<td>Y</td>
<td>M</td>
</tr>
<tr>
<td>4</td>
<td>J</td>
<td>M</td>
<td>A</td>
<td>Y</td>
</tr>
</tbody>
</table>

MATRIX II

<table>
<thead>
<tr>
<th>7</th>
<th>8</th>
<th>9</th>
<th>1</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>E</td>
<td>R</td>
<td>V</td>
<td>N</td>
</tr>
<tr>
<td>3</td>
<td>V</td>
<td>N</td>
<td>O</td>
<td>E</td>
</tr>
<tr>
<td>4</td>
<td>O</td>
<td>E</td>
<td>R</td>
<td>V</td>
</tr>
<tr>
<td>5</td>
<td>R</td>
<td>V</td>
<td>N</td>
<td>O</td>
</tr>
<tr>
<td>6</td>
<td>N</td>
<td>O</td>
<td>E</td>
<td>R</td>
</tr>
</tbody>
</table>
A 23, 27, 15, 61
B 16, 38, 15, 30
C 34, 31, 32, 28
D 45, 50, 36, 29

Answer: A

Explanation:
From matrix I and matrix II,
23=Y.
27=E.
15=A.
61=R.
Hence, Option A is correct.

SSC CGL Free Mock Test
General Awareness

Instructions
For the following questions answer them individually

Question 51
There are no politics devoid of religion’ is stated by

A Nehru
B Gandhi
C Vinoba Bhave
D Jaya Prakash Narayan

Answer: B

Question 52
In which Rock Edict Ashoka mentions about the casualties of Kalinga War and declares the renunciation of war?

A Maski Edict
B Rock Edict XIII
C Rock Edict XI
D Rock Edict X

Answer: B

Question 53
Akbar held his religious discussion in
A Jodhabai’s Palace
B Panch Mahal
C Ibadat Khana
D Buland Darwaza
Answer: C

Question 54
Who succeeded Guru Nanak?

A Guru Angad
B Guru Ramdas
C Guru Arjan
D Guru Hargobind
Answer: A

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 55
The Earliest Settlements of Aryan tribes were at

A Uttar Pradesh
B Bengal
C Saptapad Sindhua
D Delhi
Answer: C

Question 56
Who said, “Adolf Hitler is Germany and Germany is Adolf Hitler. He who pledges himself to Hitler pledges himself to Germany”?

A R. Hess
B Mussolini
C Hitler
D Communist International
Answer: A

Question 57
Who speaks of Cabinet system as the steering wheel of the ship of state?

A Lowell
B Muir

Downloaded from cracku.in
Question 58
Who has called the Prime Minister Primus inter pares (first among equals)?

A Morely
B Harcourt
C Laski
D Lowell
Answer: A

Question 59
What is farming along with animal husbandry called?

A Mixed farming
B Mixed agriculture
C Dairy farming
D Truck farming
Answer: A

Question 60
Hydraulic Action is a type of erosion caused by

A Running water
B Wind
C Glacier
D None of these
Answer: A

Question 61
Which is the newest geological era?

A Permian
B Triassic
C Cretaceous

Downloaded from cracku.in
Question 62
The plant from which cocoa and chocolate are obtained is a
A herb
B shrub
C small tree
D very big tree  
Answer: B

Question 63
The biggest single-celled organism is
A Yeast
B Acetabularia
C Acetobacter
D Amoeba  
Answer: D

Question 64
Crescograph was invented by
A S.N. Bose
B P.C. Roy
C J.C. Bose
D P.C. Mahalanobis  
Answer: C

Question 65
Foramen Magnum is an aperture found in the
A Ear
B Lung
C Girdle
D Skull  
Answer: D
Question 66
Who betrayed Siraj-ud-Daula in the Battle of Plassey in 1757?

A  Hyder All
B  Mir Qasim
C  Mir Jaffar
D  Nawab of Oudh

Answer: C

Question 67
'Kelp' is

A  Sulphide mineral of iron
B  Partially decomposed vegetation
C  Sea weed rich in iodine content
D  An aluminium silicate mineral

Answer: C

Question 68
Spot the odd item in the following:

A  Basalt
B  Ruby
C  Emerald
D  Sapphire

Answer: A

Question 69
Light from the Sun reaches us in nearly

A  8 min
B  2 min
C  6 min
D  4 min

Answer: A
Question 70
Radar is used to

A  locate submerged submarines.
B  receive signal from radio receivers.
C  detect and locate distant objects.
D  locate geostationary satellites.

Answer: C

Question 71
Optical fibre works on the principle of

A  refraction
B  scattering
C  interference
D  total internal reflection

Answer: D

Question 72
Which application in Microsoft Office is feasible for preparing presentations?

A  Microsoft Excel
B  Microsoft Word
C  Microsoft Power Point
D  Microsoft Publishers

Answer: C

Free SSC Study Material (18,000 Solved Questions)

Question 73
The language which was used to build Internet Pages in the beginning of Internet Technology is

A  XML
B  HTML
C  DHTML
D  ASP

Answer: B

Question 74
Name the branch of Zoology that deals with the scientific study of animal behaviour.
A Ecology
B Physiology
C Ethology
D Anatomy

Answer: C

Question 75
'Barr body' is found in

A Sperm
B Sertoli cells
C Female somatic cells
D Male somatic cells

Answer: C

Question 76
The colours of stars depend on their

A temperature
B distance
C radius
D atmospheric pressure

Answer: A

Question 77
Which source has been particularly fruitful in finding novel anti-tumour agents such as bryostanns and dolostatins?

A Marine sources
B Animals
C Venoms and toxins
D Combinatorial chemistry

Answer: A

Question 78
The pollutant responsible for ozone holes is........

A CO2
B SO2

Downloaded from cracku.in
Question 79
One of the best solutions to get rid of non-biodegradable wastes is

A Burning
B Dumping
C Burying
D Recycling

Answer: D

Question 80
Vermicomposting is done by

A Fungus
B Bacteria
C Worms
D Animals

Answer: C

Question 81
If waste materials contaminate the source of drinking water, which disease will spread?

A Scurvy
B Typhoid
C Malaria
D Anaemia

Answer: B

Question 82
India exports power to which country?

A Bangladesh
B Myanmar
C Pakistan
Question 83
The alkoloid naturally found in coffee, cocoa and cola nut is
A Cocaine
B Morphine
C Tannin
D Caffeine
Answer: D

Question 84
The metal used for making air-crafts and rockets is
A Lead
B Aluminium
C Nickel
D Copper
Answer: C

Question 85
The process of improving the quality of rubber by heating it with sulphur is called.
A Vulcanization
B Acceleration
C Sulphonation
D Galvanization
Answer: A

Question 86
Which State is the largest producer of pulses in India?
A Bihar
B Rajasthan
C Madhya Pradesh
D Maharashtra
Answer: C
Question 87
In India, woman had never been a Chief Minister in the State of
A  Tamil Nadu
B  Rajasthan
C  Uttar Pradesh
D  Maharashtra
Answer: D

Question 88
Which of the following is not a noble gas?
A  Hydrogen
B  Helium
C  Neon
D  Argon
Answer: A

Question 89
Sunda Trench is in
A  Indian Ocean
B  Pacific Ocean
C  Atlantic Ocean
D  Gulf of Mexico
Answer: A

Question 90
Which of the following is an organic rock?
A  Marble
B  Coal
C  Granite
D  Slate
Answer: B

Free SSC Study Material (18,000 Solved Questions)
Question 91
Who among the following has written the famous book “Malgudi Days”?
A  V.S. Naipaul
B  Deepak Chopra
C  Rabindranath Tagore
D  R.K. Narayan
Answer: D

Question 92
British Crown assumed sovereignty over India from the East India Company in the year
A  1857
B  1858
C  1859
D  1860
Answer: B

Question 93
Which vein brings clean blood from the lungs into the heart?
A  Renal Vein
B  Pulmonary Vein
C  Vena Cava
D  Hepatic Vein
Answer: B

Question 94
The first woman President of Indian National congress was
A  Kamala Devi Chattopadhyaya
B  Sarojini Naidu
C  Annie Besant
D  Rajkumari Amrit Kaur
Answer: C

Question 95
Average propensity to consume is defined as
Question 96
In short run, if a competitive firm incurs losses, it will

A  stop production.
B  continue to produce as long as it can cover its variable costs.
C  raise price of its product.
D  go far advertising campaign.

Answer: A

Question 97
Which one of the following is the specific feature of the single member constituency system?

A  The system is economical for representatives.
B  Gerrymandering is not possible in this system.
C  It secures a stable majority in the legislature.
D  The candidate has to spend less on electioneering.

Answer: C

Question 98
Which of the following relations always holds true?

A  Income = Consumption + Investment
B  Income = Consumption + Saving
C  Saving = Investment
D  Income = Consumption + Saving + Investment

Answer: B

Question 99
The Keynesian consumption function shows a relation between

A  aggregate consumption and total population.
aggregate consumption and general price level.  
aggregate consumption and aggregate income  
aggregate consumption and interest rate

Answer: C

Question 100
Over short period, when income rises, average propensity to consume usually

A rises  
B falls  
C remains constant  
D fluctuates

Answer: B

125 SSC CGL Mocks for just Rs. 199

Instructions
For the following questions answer them individually

Question 101
A plate was sold for Rs.6,300 after giving two successive discounts of $12.5\%$ and $10\%$. Find the marked price.

A 7,300  
B 7,700  
C 8,000  
D 7,250

Answer: C

Explanation:
Let M.P. = 100x

First discount of 12.5\% => $\frac{12.5}{100} \times 100x = 12.5x$

=> Amount after first discount = 100x – 12.5x = 87.5x

Second discount of 10\% => $\frac{10}{100} \times 87.5x = 8.75x$

=> Amount after second discount = 87.5x – 8.75x = 78.75x

Now, S.P. = 78.75x = 6300

=> x = 80

=> M.P. = 80*100 = 8000
Question 102
To attract more visitors, Zoo authority announces 20% discount on every ticket which costs 25 paise. For this reason, sale of ticket increases by 28%. Find the percentage of increase in the number of visitors.

A  40%
B  50%
C  60%
D  No change

Answer: C

Explanation:
Let total number of visitors = 100
Original revenue = 25p * 100 = 2500p
Discounted price = \( \frac{20}{100} \times 25p = 5p \)
=> New price = 25p - 5p = 20p
Increase in sale = 28% = \( \frac{28}{100} \times 2500p = 700p \)
=> New revenue = 2500p + 700p = 3200p
=> No. of visitors will be = 3200p / 20p = 160
=> % increase in visitors = \( \frac{160 - 100}{100} \times 100 = 60\% \)

Question 103
Which of the following represents a correct proportion ?

A  12: 9 = 16 : 12
B  13 : 11 = 5 : 4
C  30 : 45 = 13 : 24
D  6 :10 = 4: 10

Answer: A

Explanation:
Checking option 1)
12: 9 = 4:3, 16 : 12 = 4:3
Checking option 2)
13 : 11 = 13:11 , 5 :4= 5:4
checking option 3)
30 : 45 = 2:3, 26 : 24 = 13:12
Checking option 4)
6 :10 = 3:5, 4: 10 = 2:5
So option A is correct
Question 104
A sphere is cut into two hemispheres. One of them is used as bowl. It takes 8 bowlfuls of this to fill a conical vessel of height 12 cm and radius 6 cm. The radius of the sphere (in centimetre) will be

A 3
B 2
C 4
D 6

Answer: A

Explanation:
Height of cone = 12 cm and radius of cone = 6 cm
Let radius of hemisphere(or sphere) = \( r \) cm
Now, 8 * volume of hemisphere = volume of cone
=> \( 8 \times \frac{2}{3} \pi r^3 = \frac{1}{3} \pi \times 6^2 \times 12 \)
=> \( r^3 = \frac{36 \times 12}{16} \)
=> \( r = \sqrt[3]{\frac{27}{2}} = 3 \) cm

25 SSC CHSL Mocks for just Rs. 149

Question 105
The perimeters of a circle, a square and an equilateral triangle are same and their areas are C, S and T respectively. Which of the following statement is true ?

A C = S = T
B C > S > T
C C < S < T
D S < C < T

Answer: B

Explanation:
Let the side of equilateral triangle be 'a' units
the radius of circle be 'r' units.
and the side of square be 'b' units
Then,
Perimeter of square = 4b
Perimeter of equilateral triangle = 3a
Circumference of circle = 2 * \( \pi \) * \( r \)
Then acc to ques,
=> \( 4b = 3a = 2 \times \pi \times r \)
=> \( b = \frac{\pi r}{2} \)
=> \( a = \frac{2}{3} \times \pi \times r \)
Now,
Area of circle (C) = \( \pi r^2 \)

Area of equilateral triangle (T) = \( \frac{\sqrt{3}}{4} \times a^2 \)

=> Area of equilateral triangle (T) = \( \frac{\pi \times r^2}{4} \)

Area of square (S) = \( b \times b \)

=> Area of square (S) = \( \frac{\pi \times r^2}{4} \)

Hence it is clearly visible that C > S > T.

**Question 106**

The list price of a shirt is 440 and a customer pays 396 for it. The discount rate is

A 10%
B 10\( \frac{1}{2} \)%
C 20%
D 12%

**Answer:** A

**Explanation:**

List price = 440
S.P. = 396

=> Discount % = \( \frac{\text{Discount}}{\text{List price}} \times 100 \)

= \( \frac{440 - 396}{440} \times 100 \)

= \( \frac{44}{440} \times 100 \) = 10%

**Question 107**

Nisha bought a number of oranges at 2 for a rupee and an equal number at 3 for a rupee. To make a profit of 20% she should sell a dozen for

A 6
B 8
C 10
D 12

**Answer:** A

**Explanation:**

Let she bought 60 oranges of each type

Cost price of first type of oranges = 0.5 [\( \frac{1}{2} \)]

=> Total cost price of type 1 = 0.5 \times 60 = 30

Similarly, total cost price of type 2 = \( \frac{1}{3} \times 60 = 20 \)

=> C.P. = 30+20 = 50

Profit = \( \frac{20}{100} \times 50 = 10 \)

=> Total S.P. = 50+10 = 60

Now, this selling price is for 120 oranges

For 12 oranges, S.P. = \( 12 \times \frac{60}{120} = 6 \)
Question 108
If A’s salary is 50% more than that of B, then B’s salary is less than A’s by

A 33 %
B 43 \frac{1}{3} %
C 45 \frac{1}{3} %
D 33 \frac{1}{3} %

Answer: D

Explanation:
Let assume that salary of B = Rs 100
As it is mentioned that salary of A is 50% more than B. So, A’s salary = (100 + \frac{50}{100} \times 100) = Rs 150
Now B’s salary is less than A’s salary by \frac{150-100}{150} \times 100 = 33 \frac{1}{3} %

Question 109
A and B are 20 km apart. A can walk at an average speed of 4 km/hour and B at 6 km/hr. If they start walking towards each other at 7 a.m., when they will meet?

A 8.00 a.m.
B 8.30 a.m.
C 9.00 a.m.
D 10.00 a.m.

Answer: C

Explanation:
Distance between A & B = 20 km
Since they are walking towards each other, their relative speed will be the sum of their individual speeds
=> relative speed = 6+4 = 10 km/h
=> Time taken to meet each other = \frac{20}{10} = 2 hours
=> They will meet at (7+2) = 9.00 a.m.

Question 110
A policeman starts to chase a thief. When the thief goes 10 steps the policeman moves 8 steps. 5 steps of the policeman is equal to 7 steps of the thief. The ratio of the speeds of the policeman and the thief is

A 25 : 28
B 25 : 26
C 28 : 25
D 56 : 25

Answer: C
Explanation:
5 steps of Policeman = 7 steps of a thief
=> 1 step of Policeman = 7/5 steps of thief
=> 8 Steps of Policeman = 8 x 7/5 steps of thief = 56/5 steps of thief

The ratio of speeds of policeman and thief = ratio of distance covered by policeman and thief in a same time
=> In same time policeman moves 8 steps and thief moves 10 steps
=> 56/5 : 10 (because as we calculated earlier 8 steps of policeman = 56/5 steps of thief)
=> 56 : 50 = 28 : 25

SSC CGL Important Questions PDF

Question 111
In a Mathematics examination the numbers scored by 5 candidates are 5 successive odd integers. If their total marks is 185, the highest score is

A 39
B 43
C 41
D 37

Answer: C

Explanation:
let the numbers of 5 candidates be a-3,a-1,a+1,a+3,a+5
It is given that
a-3+a-1+a+1+a+3+a+5 =185
5a + 5 = 185
5a = 180
a = 36
The highest score = a + 5 = 36 + 5 = 41

Question 112
In two successive years, 80 and 60 students of a school appeared at the final examination of which 60% and 80% passed respectively. The average rate of students passed (in percent) is

A 34 %
B 68 1/3 %
C 70 %
D 72 7/3 %

Answer: B

Explanation:
In 1st year ,number of students appeared = 80
Passing Percentage = 60%
Number of Students Passed in 1st year = \frac{60}{100} \times 80 = 48
In 2nd year number of students appeared = 60
passing percentage for 2nd year = 80%
Number of Students passed in 2nd year = \( \frac{80}{100} \times 60 = 48 \)
Total students passed in 2 years = 48 + 48 = 96
average passing percentage rate in 2 years = \( \frac{100}{140} \times 96 = 68 \% \)

Question 113
What is the value of

A 10
B 2
C 1
D 100
Answer: B
Explanation:
Expression: \( \frac{(941+149)^2+(941-149)^2}{(941\times941+149\times149)} \)

\( (941^2+149^2+2.941.149)+(941^2+149^2-2.941.149) \)
\( \frac{2\times(941^2+149^2)}{941^2+149^2} \)
\( = 2 \)

1500 + Free Must Solved SSC Questions (With Solutions)

Question 114
If \( x + \frac{1}{x} = 5 \), then \( x^6 + \frac{1}{x^6} \) is

A 12098
B 12048
C 14062
D 12092
Answer: A
Explanation:
Expression: \( x + \frac{1}{x} = 5 \)
Cubing both sides, we get:
\( (x + \frac{1}{x})^3 = 5^3 \)
\( x^3 + \frac{1}{x^3} + 3 \cdot x \cdot \frac{1}{x} \cdot (x + \frac{1}{x}) = 125 \)
\( x^3 + \frac{1}{x^3} + 15 = 125 \)
\( x^3 + \frac{1}{x^3} = 110 \)
Now, squaring both sides, we get:
Question 115
\[ \sqrt{5} \times 5^3 \div 5^2 = 5^{a+2} \] then the value of \( a \) is

A \[ \frac{-3}{10} \]
B \[ \frac{9}{10} \]
C \[ \frac{11}{10} \]
D \[ \frac{7}{10} \]
Answer: A

Explanation:
\[ (5^{1/5}x5^3) \div 5^{3/2} = 5^{a+2} \]
\[ 5^{17/10} = 5^{a+2} \]
\[ a = \frac{17}{10} - 2 \]
\[ a = \frac{-3}{10} \]

Question 116
If \( x^2 - 3x + 1 = 0 \) then the value of \( \frac{x^6 + x^4 + x^2 + 1}{x^3} \) will be

A 18
B 15
C 21
D 30
Answer: C

Explanation:
Expression: \( x^2 - 3x + 1 = 0 \)
\[ \Rightarrow x^2 + 1 = 3x \]
\[ \Rightarrow x + \frac{1}{x} = 3 \quad \text{Eqn(1)} \]
To find:
\[ \frac{x^6 + x^4 + x^2 + 1}{x^3} \]
\[ = (x^3 + \frac{1}{x^3}) + (x + \frac{1}{x}) \]
\[ = (x + \frac{1}{x})^3 - 3.x.\frac{1}{x}(x + \frac{1}{x}) + (x + \frac{1}{x}) \]
Using eqn (1)
\[ = 3^3 - 3 \times 3 + 3 \times 27 - 9 + 3 \]
\[ = 21 \]
Question 117
A boat goes 24 km upstream and 28 km downstream in 6 hours. It goes 30 km upstream and 21 km downstream in 6 hours and 30 minutes. The speed of the boat in still water is

A 8 km/hr  
B 9 km/hr  
C 12 km/hr  
D 10 km/hr

Answer: D

Explanation:
Let speed of boat in still water = \(x\) km/h and speed of stream = \(y\) km/h

\[
\text{Upstream speed of boat} = (x - y) \text{ km/h}
\]
\[
\text{Downstream speed} = (x + y) \text{ km/h}
\]

Acc to ques:
\[
\frac{24}{x-y} + \frac{28}{x+y} = 6
\]
\[
\frac{30}{x-y} + \frac{21}{x+y} = 6\frac{1}{2}
\]

Solving above equations, we get:
\(x = 10\) km/h and \(y = 4\) km/h

Question 118
The compound interest on a certain sum of money for 2 years at 5% per annum is 410. The simple interest on the same sum at the same rate and for the same time is

A 400  
B 300  
C 350  
D 405

Answer: A

Explanation:
we know that:
1. For first year, compound interest and simple interest is same if the principal amount and rate of interest is same in both cases.
2. From 2nd year onwards, the compound interest is normal interest plus the interest on accumulated amount due to interest until last cycle.
3. Every year simple interest remains same if Rate of Interest and principal amount remains same.

Let the compound interest for 1st year be Rs \(y\)

For two years, \(CI = Rs\) 410
\[y + y + \frac{5}{100}y = 410\]
\[\frac{41y}{20} = 410\]
\[y = 200\]

So for two years, Simple Interest = 200 + 200 = Rs 400
Question 119
The graphs of $x = a$ and $y = b$ intersect at

A $(a, b)$
B $(b, a)$
C $(-a, b)$
D $(a, -b)$

Answer: A

Explanation:
Clearly, the lines $x = a$ and $y = b$ meet at a point $(a, b)$

Question 120
'O' is the centre of the circle, $AB$ is a chord of the circle, $OM \perp AB$. If $AB = 20$ cm, $OM = 2\sqrt{11}$ cm, then radius of the circle is

A 15 cm
B 12 cm
C 10 cm
D 11 cm

Answer: B

Explanation:
$OM$ is perpendicular bisector of $AB = 20$ cm
Question 121
If the angles of a triangle ABC are in the ratio 2 : 3 : 1, then the angles ∠A, ∠B and ∠C are

A ∠A = 60°, ∠B = 90°, ∠C = 30°
B ∠A = 40°, ∠B = 120°, ∠C = 20°
C ∠A = 20°, ∠B = 60°, ∠C = 60°
D ∠A = 45°, ∠B = 90°, ∠C = 45°

Answer: A

Explanation:
Let the angles of the triangle be 2x, 3x and x.
Using angle sum property, we get:

=> 2x + 3x + x = 180°

=> x = 180° / 6 = 30°

=> Angles are:
∠A = 2*30° = 60°
∠B = 3*30° = 90°
∠C = 1*30° = 30°

Question 122
In ∆ABC, ∠ABC = 70°, ∠BCA = 40°. O is the point of intersection of the perpendicular bisectors of the sides, then the angle LBOC is

A 100°
B 120°
C 130°
D 140°

Answer: D

Explanation:
Given: ∠ABC = 70° and ∠ACB = 40°
OB and OC are perpendicular bisectors

\[ \angle BOC = 2\times \angle BAC \quad \text{Eqn(1)} \]

In \( \triangle ABC \)

\[ \angle BAC + \angle ABC + \angle BCA = 180^\circ \]

\[ \Rightarrow \angle BAC = 180^\circ - (70^\circ + 40^\circ) = 180^\circ - 110^\circ \]

\[ \Rightarrow \angle BAC = 70^\circ \]

Using eqn(1), we get:

\[ \angle BOC = 2\times 70 = 140^\circ \]

**Question 123**

If the measures of the sides of triangle are \((x^2 - 1), (x^2 + 1)\) and \(2x\) cm, then the triangle would be

A equilateral

B acute-angled

C isosceles

D right-angled

**Answer**: D

**Explanation**:

Sides of the triangle are \((x^2 - 1), (x^2 + 1)\) and \(2x\)

By putting \(x = 2\), we get the sides as 3, 4, 5 which are the sides of a right-angled triangle. Thus, we need to check for only right-angled triangle.

Clearly, longest side here is \((x^2 + 1)\)

\[ \Rightarrow [(x^2 - 1)^2 + (2x)^2] = (x^4 + 1 - 2x^2 + 4x^2) \]

\[ = (x^4 + 2x^2 + 1) \]

\[ = (x^2 + 1)^2 \]

Thus, these are the sides of a right-angled triangle.

**Question 124**

If \(2^x = 4^y = 8^z\) and \(xyz = 288\), the value of \(\frac{1}{2x} + \frac{1}{3y} + \frac{1}{4z}\) is

A \(\frac{11}{12}\)

B \(\frac{11}{96}\)

C \(\frac{29}{96}\)

D \(\frac{27}{96}\)

**Answer**: B

**Explanation**:

Expression: \(2^x = 4^y = 8^z\)

\[ \Rightarrow 2^x = 2^{2y} = 2^{3z} \]
\[ x = 2y = 3z = k \text{ (let)} \]

Now, \( xyz = 288 \)

\[ \Rightarrow k \cdot 2 \cdot \frac{k}{3} = 288 \]

\[ \Rightarrow k^3 = 12^3 \]

\[ \Rightarrow k = 12 \]

\[ \Rightarrow x = 12, \ y = 6, \ z = 4 \]

To find: \( 2x + 4y + \frac{1}{8z} \)

\[ = \frac{1}{24} + \frac{1}{24} + \frac{1}{32} \]

\[ = \frac{1}{96} \]

**Question 125**

If \( x^2 + \frac{1}{x^2} = 119 \) and \( x < 1 \) the find the positive value of \( x^3 - \frac{1}{x^3} \)

A 25
B 27
C 36
D 49

**Answer: C**

**Explanation:**

Expression: \( x^4 + \frac{1}{x^4} = 119 \)

\[ \Rightarrow x^4 + \frac{1}{x^4} + 2 = 121 \]

\[ \Rightarrow (x^2 + \frac{1}{x^2})^2 = 11^2 \]

\[ \Rightarrow x^2 + \frac{1}{x^2} = 11 \]

\[ \Rightarrow x^2 + \frac{1}{x^2} - 2 = 9 \]

\[ \Rightarrow (x - \frac{1}{x})^2 = 3^2 \]

\[ \Rightarrow x - \frac{1}{x} = 3 \]

Now, cubing both sides, we get:

\[ \Rightarrow x^3 - \frac{1}{x^3} - 3 \cdot x \cdot \frac{1}{x} \cdot (x - \frac{1}{x}) = 27 \]

\[ \Rightarrow x^3 - \frac{1}{x^3} = 27 + 3 \cdot 3 = 36 \]

**Question 126**

The value of \( (3 + 2\sqrt{2})^{-3} + (3 - 2\sqrt{2})^{-3} \) is

A 198
B 180
C 108
D 189
Answer: A

Explanation:
Expression: \((3 + 2\sqrt{2})^{-3} + (3 - 2\sqrt{2})^{-3}\)

\[
= \frac{1}{(3+2\sqrt{2})^3} + \frac{1}{(3-2\sqrt{2})^3}
\]

\[
= \frac{1}{(27+16\sqrt{2}+54\sqrt{2}+72)} + \frac{1}{(27-16\sqrt{2}-54\sqrt{2}+72)}
\]

\[
= \frac{1}{99+70\sqrt{2}} + \frac{1}{99-70\sqrt{2}}
\]

\[
= \frac{99-70\sqrt{2}+99+70\sqrt{2}}{9801-9800}
\]

\[
= 99+99 = 198
\]

Question 127

The value of \(\sin^2 30^\circ \cos^2 45^\circ + 5\tan^2 30^\circ + 3\sin^2 90^\circ - 3\cos^2 90^\circ\) is

A \(\frac{7}{324}\)

B \(\frac{3}{24}\)

C \(\frac{1}{24}\)

D \(\frac{5}{24}\)

Answer: A

Explanation:
Expression: \(\sin^2 30^\circ \cos^2 45^\circ + 5\tan^2 30^\circ + 3\sin^2 90^\circ - 3\cos^2 90^\circ\)

\[
= \left(\left(\frac{1}{2}\right)^2 \cdot \left(\frac{\sqrt{2}}{2}\right)^2\right) + 5\left(\frac{\sqrt{3}}{3}\right)^2 + 3(1^2) - 3(0)^2
\]

\[
= \frac{1}{4} \cdot \frac{1}{4} + \frac{5}{9} + \frac{3}{2}
\]

\[
= \frac{3+40+36}{24}
\]

\[
= 324
\]

Question 128

If \(\cos^2 \theta - \sin^2 \theta = \frac{1}{3}\), where \(0 \leq \theta \leq \pi/2\) then the value of \(\cos^4 \theta - \sin^4 \theta\) is

A \(\frac{1}{3}\)

B \(\frac{2}{3}\)

C \(\frac{1}{9}\)

D \(\frac{2}{9}\)

Answer: A

Explanation:
Expression: \(\cos^2 \theta - \sin^2 \theta = \frac{1}{3}\)

We know that \(\cos^2 \theta + \sin^2 \theta = 1\)

Adding the above two equations, we get:
Squaring both sides,

$2\cos^2\theta = \frac{4}{3}$

$\Rightarrow \cos^2\theta = \frac{2}{3}$

Similarly, subtracting those two equations, we get:

$\Rightarrow \cos^4\theta = \frac{4}{9}$

Now, to find: $\cos^4\theta - \sin^4\theta$

$= \frac{4}{9} - \frac{1}{9}$

$= \frac{3}{9} = \frac{1}{3}$

Daily Free SSC Practice Set

Question 129

If $\tan\theta = \frac{1}{\sqrt{11}}$  $0 < \theta < \frac{\pi}{2}$, then the value of $\frac{\cosec^2\theta - \sec^2\theta}{\cosec^2\theta + \sec^2\theta}$

A $\frac{3}{4}$  

B $\frac{4}{5}$  

C $\frac{5}{6}$  

D $\frac{6}{7}$

Answer: C

Explanation:

Expression: $\tan\theta = \sqrt{\frac{1}{11}}$

We know that, $\sec\theta = \sqrt{1 + \tan^2\theta}$

$\Rightarrow \sec\theta = \sqrt{1 + \frac{1}{11}} = \sqrt{\frac{12}{11}}$

Now, $\cosec\theta = \frac{\sec\theta}{\tan\theta}$

$\Rightarrow \cosec\theta = \sqrt{\frac{12}{11}}$

To find: $\frac{\cosec^2\theta - \sec^2\theta}{\cosec^2\theta + \sec^2\theta}$

$= \frac{\frac{12}{11} - \frac{12}{11}}{\frac{12}{11} + \frac{12}{11}}$

$= \frac{1 - \frac{1}{1}}{1 + \frac{1}{1}}$

$= \frac{10}{12} = \frac{5}{6}$

Question 130

If angle bisector of a triangle bisect the opposite side, then what type of triangle is it?

A Right angled

B Scalene
C  Similar
D  Isosceles

Answer: D

Explanation:

Given: $\angle BAD = \angle DAC$ and $BD = DC$

Solution: The angle bisector theorem states that:

$$\Rightarrow \frac{AB}{BD} = \frac{AC}{DC}$$

$\therefore BD = DC$

$$\Rightarrow AB = AC$$

$\Rightarrow \triangle ABC$ is isosceles triangle.

Question 131
If each angle of a triangle is less than the sum of the other two, then the triangle is

A  obtuse angled
B  right angled
C  acute angled
D  equilateral

Answer: C

Explanation:
Let the angles of a triangle be $\angle A$, $\angle B$ and $\angle C$

We know that, $\angle A + \angle B + \angle C = 180$

Acc to ques:

$\Rightarrow \angle C < (\angle A + \angle B)$

$\Rightarrow \angle C < (180 - \angle C)$

$\Rightarrow \angle C < 90$

Similarly, $\angle B < 90$ and $\angle A < 90$

Since, all the angles of the triangle are less than 90, $\Rightarrow$ It is acute angled triangle.

Question 132
A, B, C are three points on the circumference of a circle and if $AB = AC \cdot 5 \sqrt{2}$ $BAC = 90^\circ$, find the radius.
Answer: B

Explanation:

Given: AB = AC = \(5\sqrt{2}\) and \(\angle BAC = 90^\circ\)

To find: OB = OC = OA = \(r\)

Solution: Since, AB = AC, \(\Rightarrow \angle ABC = \angle ACB\)

In \(\triangle ABC\),
\(\Rightarrow \angle ABC + \angle ACB + 90^\circ = 180^\circ\)
\(\Rightarrow \angle ABC = 45^\circ\)

Now, in \(\triangle OAB\)
\(\Rightarrow \sin \angle ABO = \frac{OA}{AB}\)
\(\Rightarrow \sin 45^\circ = \frac{OA}{5\sqrt{2}}\)
\(\Rightarrow OA = \frac{5\sqrt{2}}{\sqrt{2}}\)
\(\Rightarrow OA = 5\ cm\)

Question 133
Pipe A is an inlet pipe filling the tank at 8000 litres/hr. Pipe B empties the tank in 3 hours. The capacity of the tank is

A 12000 l
B 8000 l
C 6000 l
D 4000 l

Answer: A

Question 134
A tap drips at a rate of one drop/sec. 600 drops make 100ml. The number of litres wasted in 300 days is

A 4320000
Answer: D

Explanation:
Rate at which tap drips = 1 drop/sec
Now, no. of seconds in 1 day = 24*60*60 = 86400 sec
=> In 1 day the tap drips 86400 drops
=> \( \frac{86400}{600} = 14400 \text{ ml} = 14.4 \text{ litres} \)
Thus, in 300 days, water wasted = 14.4*300 = 4320 litres

SSC CHSL Previous Question papers (download pdf)

Question 135

ABC is a right angled triangle. B being the right angle. Midpoints of AB, BC and AC are respectively B', C' and A'. Area of \( \triangle A'B'C' \) is

A \( \frac{1}{2} \times \text{area of } \triangle AABC \)

B \( \frac{2}{3} \times \text{area of } \triangle AABC \)

C \( \frac{1}{4} \times \text{area of } \triangle AABC \)

D \( \frac{1}{8} \times \text{area of } \triangle AABC \)

Answer: C

Explanation:
The triangle obtained by joining the midpoints will also be a right angled triangle. Since the sides are reduced by a factor of 2, the area will be reduced by a factor of 4. (Since area = \( 0.5 \times \text{b} \times \text{h} \))
Option C is the right answer.

Question 136

Three numbers are in the ratio 1:2:3 and their HCF is 12. The numbers are

A 12, 24, 36

B 5, 10, 15

C 4, 8, 12

D 10, 20, 30

Answer: A

Explanation:
As the numbers are in the ratio 1:2:3 so let the numbers be \( y, y, 3y \)
The numbers taken are co prime, => the highest common factor = \( y \)
and \( y = 12 \)
=> Numbers are 12, 24, 36

Question 137

If \( x [-2 (-a)] + 5 [-2 (-a)] = 4a \), then \( x = \)
A -2
B -3
C -4
D -5

Answer: B

Explanation:
Expression: \[ x[-2-4(-a)] + 5[-2-2(-a)] = 4a \]
\[ \Rightarrow x[-2 \times 4a] + 5[-2 \times 2a] = 4a \]
\[ \Rightarrow -8ax + 5(-4a) = 4a \]
\[ \Rightarrow -8ax = 20a + 4a \]
\[ \Rightarrow x = -3 \]

Free SSC Study Material (18,000 Solved Questions)

Question 138
A can complete a work in 'm' days and B can complete it in 'n' days. How many days will it take to complete the work if both A and B work together?

A \((m + n)\) days
B \(\left(\frac{1}{m} \times \frac{1}{n}\right)\)
C \(\frac{m+n}{mn}\)
D \(\frac{mn}{m+n}\)

Answer: D

Explanation:
Let the total work be \(mn\) units
\[ \Rightarrow \text{Rate at which A completes the work} = \frac{mn}{m} = n \text{ units/day} \]
\[ \Rightarrow \text{Rate at which B completes the work} = \frac{mn}{n} = m \text{ units/day} \]
\[ \Rightarrow \text{Rate at which both A & B work together} = (m + n) \text{ units/day} \]
\[ \Rightarrow \text{No. of days required by both of them to complete the work} = \frac{mn}{m+n} \text{ days} \]

Question 139
From a point P on the ground the angle of elevation of the top of a 10 m tall building is 30°. A flag is hoisted at the top of the building and the angle of elevation of the top of the flagstaff from P is 45°. Find the length of the flagstaff. (Take \(\sqrt{3} = 1.732\))

A \(10(\sqrt{3}+m)\)
B \(10(\sqrt{3}+1)m\)
C \(10\sqrt{3} m\)
D \(7.32 m\)

Answer: D
Explanation:
Given : Height of building = BC = 10 m

\( \angle BPC = 30^\circ \) and \( \angle APC = 45^\circ \)

To find : length of flagstaff = AB = ?

Solution : In \( \triangle BCP \)

\[ \Rightarrow \tan 30^\circ = \frac{BC}{CP} \]
\[ \Rightarrow \frac{1}{\sqrt{3}} = \frac{10}{CP} \]
\[ \Rightarrow CP = 10\sqrt{3} \]

Now, in \( \triangle ACP \)

\[ \Rightarrow \tan 45^\circ = \frac{AC}{CP} \]
\[ \Rightarrow 1 = \frac{AC}{10\sqrt{3}} \]
\[ \Rightarrow AC = 10\sqrt{3} \]

Now, AB = AC - BC

\[ \Rightarrow AB = 10\sqrt{3} - 10 \]
\[ \Rightarrow AB = 17.32 - 10 = 7.32m \]

Question 140

The value of \( \frac{1}{2} \sin \frac{\pi}{4} \cos \frac{\pi}{6} - \cot \frac{\pi}{3} \sec \frac{\pi}{6} + \frac{5\tan \frac{\pi}{4}}{12\sin \frac{\pi}{2}} \) is equal to

A 0
B 1
C 2
D \frac{3}{2}

Answer: A

Explanation:

Expression : \( \frac{1}{2} \sin \frac{\pi}{4} \cos \frac{\pi}{6} - \cot \frac{\pi}{3} \sec \frac{\pi}{6} + \frac{5\tan \frac{\pi}{4}}{12\sin \frac{\pi}{2}} \)

\[ = \frac{1}{2} \left( \frac{1}{\sqrt{2}} \right) \left( \frac{1}{\sqrt{3}} \right) - \left( \sqrt{3} \right) + \frac{5}{12+1} \]
\[ = \left( \frac{1}{2} \times \sqrt{2} \right) - \left( \frac{1}{\sqrt{3}} \right) + \frac{5}{12} \]
\[ = \frac{1}{4} - \frac{1}{4} \]
\[ = 0 \]

Latest Job Updates on Telegram - Join here

Question 141

if \( \sin \theta = \frac{3}{5} \) is equal to \( \frac{\tan \theta + \cos \theta}{\cot \theta + \sec \theta} \) is equal to

A \( \frac{29}{60} \)
B \( \frac{31}{60} \)
C \( \frac{33}{60} \)
D \( \frac{35}{60} \)
Expression : $\sin \theta = \frac{3}{5}$

We know that, $\cos \theta = \sqrt{1 - \sin^2 \theta}$

$\Rightarrow \cos \theta = \sqrt{1 - \left(\frac{9}{25}\right)} = \sqrt{\frac{16}{25}}$

$\Rightarrow \cos \theta = \frac{4}{5}$

Similarly, $\tan \theta = \frac{3}{4}$

$\cot \theta = \frac{4}{3}$

$\csc \theta = \frac{5}{3}$

To find : $\frac{\tan \theta + \cos \theta}{\cot \theta + \csc \theta}$

Using above values, we get :

$\frac{3 + 4}{4 + \frac{5}{3}} = \frac{\frac{14}{3}}{\frac{17}{3}} = \frac{14}{17}$

$\frac{31}{12} = \frac{31}{12}$

$\frac{31}{60}$

Question 142

If $a \cos \theta + b \sin \theta = p$ and $a \sin \theta - b \cos \theta = q$, then the relation between $a$, $b$, $p$ and $q$ is

A $a^2 - b^2 = p^2 - q^2$

B $a^2 + b^2 = p^2 + q^2$

C $a + b = p + q$

D $a - b = p - q$

Answer: B

Explanation:

Expression 1 : $a \cos \theta + b \sin \theta = p$

Squaring both sides, we get :

$\Rightarrow a^2 \cos^2 \theta + b^2 \sin^2 \theta + 2ab \sin \theta \cos \theta = p^2$ —— Eqn(1)

Expression 2 : $a \sin \theta - b \cos \theta = q$

Squaring both sides, we get :

$\Rightarrow a^2 \sin^2 \theta + b^2 \cos^2 \theta - 2ab \sin \theta \cos \theta = q^2$ —— Eqn(2)

Adding eqns (1) & (2)

$\Rightarrow a^2 (\sin^2 \theta + \cos^2 \theta) + b^2 (\sin^2 \theta + \cos^2 \theta) = p^2 + q^2$

$\Rightarrow a^2 + b^2 = p^2 + q^2$
Question 143

60 students were asked to choose their favourite sport. Their distribution is as follows:
Football - 15
Cricket - 12
Swimming - 12
Basketball - 11
Athletics - 10

The data is illustrated in a Pie Chart. What angle should be used for football?

A 15°
B 60°
C 90°
D 180°

Answer: C

Explanation:
No. of students who like football = 15
Total students = 60
Angle used for football = \(\frac{15}{60} \times 360 = 90°\)

Question 144

In triangle ABC, AB = AC. BC is extended to D and ACD = 120°, then A is equal to

A 50°
B 60°
C 70°
D 80°

Answer: B

Explanation:
BC is extended to D. Hence, Angle on line BC = 180 degrees.
We have been given that, Angle ACD = 120 degrees.
=> Angle ACB = 60 degrees. Angle ABC = Angle ACB - since the given triangle is isosceles.
Angle A + Angle B + Angle C = 180 degrees (Angles in a triangle)
=> Angle B = 180 - 60 - 60
Angle B = 60 degrees.
Option B is the right answer.

Instructions

Study the graph and answer the questions.
Question 145
In which year the sale of cool-sip is minimum?

A  1990
B  1992
C  1993
D  None of the above

Answer: D

Explanation:
Sales of cool sip in:
1988 - 25
1989 - 6 [MIN]
1990 - 19
1991 - 15
1992 - 25
1993 - 30

=> Sales of cool sip is minimum in 1989
Ans - (D)

Question 146
In case of which soft drink was the average annual sale maximum during the period 1988-1993?

A  Pep-up only
B  Pep-up and Dew-drop
C  Cool-sip only
D  Cool-sip and Pep-up

Answer: A

Explanation:
Sales of cool sip from 1988 to 1993 = 25+6+19+15+25+30 = 120

=> Average sales = 120/6 = 20
Sales of pep up = 30+35+30+25+20+20 = 160
SSC CGL Free Mock Test

Question 147
What was the approximate percent drop in the sale of Pep-up in 1990 over its sale in 1989?

A 5
B 14
C 12
D 20

Answer: B

Explanation:
Sales of pep up in 1989 = 35
Sales of pep up in 1990 = 30
=> % decrease = \[\frac{35 - 30}{35} \times 100\] = 14.28%
= ~14%

Question 148
What was the approximate percent increase in sales of Cool-sip in 1990 over its sales in 1989?

A 100
B 217
C 171
D 150

Answer: B

Explanation:
Sales of cool sip in 1989 = 6
Sales of cool sip in 1990 = 19
=> % increase = \[\frac{19 - 6}{6} \times 100\] = 216.67%
= ~217%

Question 149
In which year sale of Dew-drop is maximum?

A 1988
B 1992
C 1989
D 1993

Answer: C

Explanation:
Sales of dew drop = 10+15+25+15+30+25 = 120
=> Average sales = 120/6 = 20

Average sales of pep up is maximum

=> Average sales = 160/6 = 26.67 [MAX]
Answer: B

Explanation:
Sales of dew drop in:
1988 - 10
1989 - 15
1990 - 25
1991 - 15
1992 - 30 [MAX]
1993 - 25

=> Sales of dew drop is maximum is 1992

Question 150
In case of which soft drink was the average annual sale minimum during the period 1988-1993?

A Pep-up only
B Cool-sip only
C Dew-drop only
D Dew-drop and Cool-sip

Answer: D

Explanation:
Sales of cool sip from 1988 to 1993 = 25+6+19+15+25+30 = 120
=> Average sales = 120/6 = 20
Sales of pep up = 30+35+30+25+20+20 = 160
=> Average sales = 160/6 = 26.67
Sales of dew drop = 10+15+25+15+30+25 = 120
=> Average sales = 120/6 = 20

Average sales of both cool sip and dew drop is minimum.

SSC CGL Previous Papers (DOWNLOAD PDF)

English

Instructions
In the following questions, sentences are given with blanks to be filled with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four.

Question 151
When she parted ,......... her parents, her eyes were full of tears.

A from
B away
C off
25 SSC CHSL Mocks for just Rs. 149

Question 152
He went ............ to oblige his superior.

A on his way  
B out of his way  
C in his way  
D with his way

Answer: B

Question 153
During a period of protracted illness, the sick can become infirm, ................both the strength to work and many of the specific skills that were once possessed.

A regaining  
B denying  
C pursuing  
D losing

Answer: D

Question 154
The members of the religious sect ostracized the .............who had abandoned their faith.

A coward  
B litigant  
C recreant  
D suppliant

Answer: D

Question 155
Would you mind ............ the suitcase, Sir?

A open  
B opening  
C to open

Answer: A

Downloaded from cracku.in
D opened

Answer: B

Instructions

In the following questions, out of the four alternatives, choose the one which best expresses the meaning of the given word.

Question 156
Impervious

A Audacious
B Haphazard
C Impenetrable
D Illogical

Answer: C

Question 157
Peruse

A Overuse
B Examine
C Abuse
D Defuse

Answer: B

SSC CGL Important Questions PDF

Question 158
Amicable

A Friendly
B Happy
C Perfect
D Joyous

Answer: A

Instructions

In the following questions, choose the word opposite in meaning to the given word as your answer.

Question 159
Desecration

A Hopelessness
B Disbelief
Veneration

Manifestation

Answer: C

Question 160

Yield

A  Respond
B  Survive
C  Attack
D  Resist

Answer: D

1500 + Free Must Solved SSC Questions (With Solutions)

Question 161

Particularly

A  Elaborately
B  Generally
C  Comprehensively
D  Entirely

Answer: B

Instructions

In the following questions, four alternatives are given for the Idiom/Phrase printed in bold in the sentence. Choose the alternative which best expresses the meaning of the Idiom/Phrase.

Question 162

Indians are going places in the field of software technology.

A  going abroad
B  going to spaces
C  talented and successful
D  friendly and amicable

Answer: C

Question 163

She is a person who pulls no punches.

A  speaks politely
B  speaks frankly
C speaks rudely
D speaks sweetly
Answer: A

General Science Notes for SSC CGL

Question 164
For any group work to be successful, it is important that everyone is on the same page.
A present for the meeting
B registered for the work
C willing to pay the same fees
D thinks in a similar way
Answer: D

Question 165
Our plan to go to London is in the air.
A undecided
B certain
C under consideration
D for approval
Answer: B

Question 166
My efforts at pest control went in vain, I have to go back to the drawing board.
A plan it all over again
B take professional help
C spend some time researching abroad
D work at night
Answer: A

Free SSC Study Material (18,000 Solved Questions)

Instructions
In the following questions, a sentence/ part of the sentence is printed in bold. Below are given alternatives to the bold sentence/part of the sentence at a, b and c which may improve the sentence. Choose the correct alternative. In case no improvement is needed, your answer is d.

Question 167
This crime makes a man liable for transportation till his life.
A
B
C
D
Answer: D
A  to transportation to life
B  for transportation for life
C  to transportation for life
D  No improvement

Answer: B

Question 168
I don’t think many people will be able to attend the meeting tomorrow. I, but for one, have to be in Chennai.

A  so for one
B  rather for one
C  for one
D  No improvement

Answer: C

Question 169
My visits to my family are a few and far between.

A  few and a far between
B  few and far between
C  few or far between
D  No improvement

Answer: B

SSC Exam Free Videos (Youtube)

Question 170
Their friendship will not last through long time.

A  last through a long time
B  last through
C  last long
D  No improvement

Answer: C

Question 171
All these articles are kept in a tin box to prevent from spoiling of damp in rainy season.

A  prevent them from spoiling by damp
B  prevent them being spoiled by damp

Answer: A
prevent them from spoiling of damp

Answer: A

Question 172
Your previous project was only failed because you did not persevere yourself in it.

A failed only because you did not persevere.
B failed only because you did not persevere for it.
C only failed because you did not persevere.
D No improvement
Answer: B

Question 173
I had more sympathy with you. my friend.

A have a more sympathy
B have much sympathy
C had much sympathy
D No improvement
Answer: B

Question 174
The bank manager was given a holiday and so he resolved to go for hitch-hiking.

A with hitch-hiking
B for the hitch-hiking
C hitch-hiking
D No improvement
Answer: D

Question 175
Our big iron gate jingles on its hinges as it is opened.

A clangs
B grates
C bangs
D No improvement
Daily Free SSC Practice Set

Question 176
Although other parts the world 20 per cent of the farm area is owned by women, in India women own less than 7 per cent.

A If in other parts of
B However some parts of
C While in other parts of
D No improvement

Answer: C

Instructions
In the following questions, out of the four alternatives, choose the one which can be substituted for the given words/sentences.

Question 177
Passing out of use

A Adolescent
B Reticent
C Translucent
D Obsolescent

Answer: D

Question 178
A drink usually made from a mixture of one or more alcoholic drinks

A Cocktail
B Mocktail
C Liquor
D Bisque

Answer: A

Question 179
Affecting or relating to cows

A Feline
B Bovine
C Ovine

SSC CGL Free Online Coaching

Downloaded from cracku.in
Question 180
Something that might happen in the future

A Contingency
B Insurance
C Emergency
D Prophecy
Answer: A

Question 181
A special fondness or liking for

A Propensity
B Inclination
C Penchant
D Preoccupation
Answer: C

Question 182
Relating to kinship with the father

A Patrilineal
B Fratrilneal
C Matrilneal
D Familial
Answer: A

Question 183
A part of a word that can be pronounced separately

A Particle
B Sibilant
C Syllable
D Letter
Answer: C
Instructions
In the following questions, four words are given in each question, out of which only one word is correctly spelt. Find the correctly spelt word.

Question 184
A Accessible
B Accessible
C Accessible
D Accessible
Answer: A

Free SSC Study Material (18,000 Solved Questions)

Question 185
A Camouflage
B Camouflage
C Camouflage
D Camouflage
Answer: A

Instructions
Read the passage carefully and choose the best answer to each question out of the four alternatives.

The Critical Faculty is the most potent one in the human make-up. Its pervasiveness and force have not properly been recognized because like breathing, it is so much a part and parcel of human activity. The difference between a simpleton and an intelligent man, according to the man who is convinced that he is of the latter category, is that the former wholeheartedly accepts all things that he sees and hears while the latter never admits anything except after a most searching scrutiny. He imagines his intelligence to be a sieve of closely woven mesh through which nothing but the finest can pass. The critical sense is essential for keeping social transactions in a warm state. Otherwise life would become very dull and goody-goody. The critical faculty is responsible for a lot of give and take in life. It increases our awareness of our surroundings; it sounds dignified no doubt, but is seems also to mean that we can watch someone else’s back better than our own! We never know our own defects till they are pointed out to us, and even then we need not accept them. We always question the bonafides of the man who tells us unpleasant facts. On the surface it is all very well to say, ‘I want an honest criticism; that will help me, not blind compliments.’ I wish people would mean it.

Question 186
The negative side of the critical faculty is that
A it makes us critical of others.
B it makes us critical of ourselves.
C it sounds dignified but it is not actually so.
D it is a tool for creating classificatory division.
Answer: A

Question 187
People who solicit others’ opinions (about themselves) generally want
A
B
C
D
Answer: A
A effusive compliments
B honest criticism
C harsh facts
D precise feedback

Answer: B

Question 188
The critical faculty is defined as the 'most potent one in human make-up' because

A it is all pervasive and powerful.
B it separates the simpleton from the intelligent man.
C it is a help in social transactions.
D All of the above

Answer: D

Question 189
What, according to the writer, is the essential link between breathing and the critical faculty?

A Both are required in social relations
B Both are exercised by human beings
C Both grow with age
D Both stop with death

Answer: B

Question 190
The self-defined intelligent man defines himself on the basis of

A his obvious divergence from the simpleton.
B his superior intelligence as a whole.
C his possession of the critical faculty.
D his heightened awareness of his surroundings.

Answer: A

Instructions
Read the passage carefully and choose the best answer to each question out of the four alternatives.
International trade represents a significant share of Gross Domestic Product (GDP). While international trade has been present throughout much of history, its economic, social and political importance has been on the rise in recent centuries. Industrialization, advances in technology, transportation, globalization, multinational corporations, and outsourcing are all having a major impact on the international trade system. Increasing international trade is crucial to the continuance of globalization. International trade is, in principle, not different from domestic as the motivation and the behaviour of parties is across a border or not. The main difference is that international trade. Another difference between domestic and international trade is that factors of production such as capital and labour are typically more mobile within a country than across countries.

Question 191
Which of the following is one of the factors of production?

A Capital
B Cost
C Profit
D Loss

Answer: A

Question 192
What is the synonym of ‘mobile’?

A Versatile
B Moveable
C Changeable
D Transferable

Answer: B

Question 193
Which one of the following has a major impact on international trade?

A Contribution to GDP
B Industrialization
C Outsourcing
D Domestic trade

Answer: B

Question 194
According to the author, increasing international trade

A brings about speedy industrialization
B uplifts technology and transportation
C is crucial to the continuance of globalization

SSC CGL Free Mock Test
D encourages multinational corporations

Question 195
What is the main difference between international and domestic trade?

A One is more significant than the other
B One is more costly than the other
C One is more advanced than the other
D One is more crucial than the other

Answer: B

Instructions
In the following questions, some of the sentences have errors and some have none. Find out which part of a sentence has an error. The number of that part is your answer. If there is no error, your answer is d: i.e., No error.

Question 196
A chill wind blew (a) and icy fingers of death (b) crept up my spine. (c)/ No error (d).

A A chill wind blew
B and icy fingers of death
C crept up my spine.
D No Error

Answer: C

Question 197
Such rules (a) do not apply to (b) you and I. (c)/ No error (d).

A Such rules
B do not apply to
C you and I.
D No error

Answer: C

Question 198
The river (a) has overflown (b) its banks. (c)/ No error (d).

A The river
B has overflown
C its banks.
Question 199
IIM Calcatta’s MBA programme (a)/ is regarded (b)/ as the finest in the country (c)/ No error (d).

A  IIM Calcatta’s MBA programme
B  is regarded
C  as the finest in the country
D  No error

Answer: C

Question 200
One of the most (a)/ widely spread (b)/ bad habit is the use of tobacco. (c)/ No error (d).

A  One of the most widely spread
B  widely spread
C  bad habit is the use of tobacco.
D  No error

Answer: C
Free SSC Study Material (18,000 Solved Questions)

SSC Exam Free Videos (Youtube)

SSC Free Preparation App

Daily Free SSC Practice Set

SSC CGL Free Online Coaching

SSC CHSL Previous Question papers (download pdf)

Free SSC Study Material (18,000 Solved Questions)

Latest Job Updates on Telegram - Join here

Join SSC Daily Quiz Telegram Group