



SSC CGL 2014 Tier 1 26 Oct shift 3

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Reasoning

Instructions

In each of the following questions, select the related word/letters/number from the given alternatives.

Question 1

23: 13 :: 54 : ?

- A 40
- B 41
- C 44
- D 39

Answer: C

Explanation:

Expression = 23: 13 :: 54 : ?

The pattern followed is = $n : n - 10$

Eg = 23 : 23 - 10 = 23 : 13

Similarly, 54 - 10 = 44

=> Ans - (C)

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Question 2

Seismometer : Earthquakes :: Thermometer : ?

- A Mercury
- B Temperature
- C Fever
- D Doctor

Answer: B

Explanation:

A Seismometer is an instrument that measures the degree of an earthquake, similarly a thermometer measure temperature.

=> Ans - (B)

Question 3

Play : Actor :: Concert : ?

- A Percussion
- B Symphony
- C Musician
- D Piano

Answer: C

Explanation:

An actor performs in a play, similarly a musician performs in a concert.

=> Ans - (C)

Question 4

DLIP : FNKR :: JROV : ?

- A MURY
- B LTQX
- C NVSZ
- D KSPW

Answer: B

Explanation:

Expression = DLIP : FNKR

The pattern followed is :

D	L	I	P
(+2)	(+2)	(+2)	(+2)
F	N	K	R

Similarly, for JROV :

J	R	O	V
(+2)	(+2)	(+2)	(+2)
L	T	Q	X

=> Ans - (B)

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Question 5

YAWC : UESG :: QIOK : ?

- A MMKO
- B KOME
- C MINC
- D MIKE

Answer: A

Explanation:

Expression = YAWC : UESG

The pattern followed is :

Y	A	W	C
(-4)	(+4)	(-4)	(+4)
U	E	S	G

Similarly, for QIOK :

Q	I	O	K
(-4)	(+4)	(-4)	(+4)
M	M	K	O

=> Ans - (A)

Question 6

17 : 24 :: 153 : ?

- A 213
- B 216
- C 118
- D 198

Answer: B

Explanation:

Expression = 17 : 24 :: 153 : ?

The pattern followed is that both the numbers are multiplied by 9

Eg : $17 \times 9 = 153$

Similarly, $24 \times 9 = 216$

=> Ans - (B)

Instructions

In each of the following questions, select the one which is different from the other three alternatives.

Question 7

- A Duck
- B Avoid
- C Dodge
- D Flee

Answer: D

Explanation:

The words duck, avoid, dodge are synonyms which means to avoid, while flee means to run away.

=> Ans - (D)

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Question 8

- A 36
- B 96
- C 16
- D 80

Answer: A

Explanation:

Except 36, all other numbers are multiples of 8, hence it is the odd one out.

=> Ans - (A)

Question 9

- A 41, 4
- B 83, 6
- C 74, 7
- D 97, 9

Answer: B

Explanation:

Except in the number pair (83, 6), in all other pairs the first digit of the first number is the second number, hence it is the odd one.

=> Ans - (B)

Question 10

- A LNOR
- B TRPS
- C CEFI
- D GIJM

Answer: B

Explanation:

(A) : L (+2 letters) = N (+1 letter) = O (+3 letters) = R

(B) : T (-2 letters) = R (-2 letters) = P (+3 letters) = S

(C) : C (+2 letters) = E (+1 letter) = F (+3 letters) = I

(D) : G (+2 letters) = I (+1 letter) = J (+3 letters) = M

=> Ans - (B)

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Question 11

- A Emu
- B Penguin
- C Kiwi
- D Eagle

Answer: D

Explanation:

Among the given birds, only eagle can fly, hence it is the odd one out.

=> Ans - (D)

Instructions

For the following questions answer them individually

Question 12

Which one of the given responses would be a meaningful order of the following colours ?

1. Indigo
2. Red
3. Violet
4. Blue
5. Green
6. Yellow
7. Orange

- A 3, 1, 4, 5, 2, 6, 7
B 3, 1, 4, 5, 6, 2, 7
C 1, 5, 6, 7, 3, 4, 2
D 3, 1, 4, 5, 6, 7, 2

Answer: D

Explanation:

The correct order for colors of a rainbow is :

= Violet -> Indigo -> Blue -> Green -> Yellow -> Orange -> Red

≡ 3, 1, 4, 5, 6, 7, 2

=> Ans - (D)

Question 13

Arrange the following words as per order in the English dictionary :

1. Caricature
2. Cardinal
3. Carnivore
4. Cartoon
5. Category

- A 2, 1, 3, 4, 5
B 4, 5, 1, 3, 2
C 1, 2, 3, 4, 5
D 2, 1, 3, 5, 4

Answer: A

Explanation:

As per order in the English dictionary :

= Cardinal -> Caricature -> Carnivore -> Cartoon -> Category

≡ 2, 1, 3, 4, 5

=> Ans - (A)

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Question 14

Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?

R_S_ PM_KSB_MRK_

- A KRKSP
- B KBRPS
- C RKSPM
- D BPSMP

Answer: B

Explanation:

In this question we need to fill the blanks in R_S_ PM_KSB_MRK_

here the pattern is RKSBBPM and hence , the blanks from left to right will be filled by "KBRPS"

Question 15

**In the following series, how many HIG occur in such a way that "I" is in the middle and 'H' and 'G' are adjacent to it on both sides ?
GGHIIHIGGJKLMGIHIG**

- A 3
- B 2
- C 5
- D 4

Answer: B

Explanation:

In the expression, we need to find HIG or GIH.

=> GGHIIHIGGJKLM **GIH** IG and GGHIIHIGGJKLMGI **HIG**

Thus, there are 2 such words.

=> Ans - (B)

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 16

2, 2, 4, 6, ?, 10, 8, 14, 10

- A 6
- B 5
- C 8
- D 7

Answer: A

Explanation:

here the given pattern is 2, 2, 4, 6, ?, 10, 8, 14, 10

let the missing term be y

here 2 series are present

1st series : 2, 4, y, 8, 10

2nd series: 2, 6, 10, 14

as we can see that the missing term is a part of 1st series
and in 1st series difference between consecutive terms is 2
so $4 - 2 = y - 4$
 $y = 6$

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Question 17

ELFA, GLHA, ILJA, ?, MLNA

- A ILMA
- B KLLA
- C QLPA
- D KLMA

Answer: B

Explanation:

here the given pattern is ELFA, GLHA, ILJA, ?, MLNA

we can see that first term of every pattern is alternative term E, G, I so first term for the missing element is K

2nd term of missing element is L in all cases. so here it is also L

3rd term in all cases is again alternative terms starting from F, and continued as H, J and hence the 3rd term of missing pattern is L

and 4th term in every case is A

so the missing pattern is KLLA

Question 18

3, 8, 18, 35, ?, 98

- A 61
- B 71
- C 41
- D 51

Answer: A

Explanation:

Numbers of the form $(n^2 + 1)$ are added.

$$3 + (2^2 + 1) = 8$$

$$8 + (3^2 + 1) = 18$$

$$18 + (4^2 + 1) = 35$$

$$35 + (5^2 + 1) = 61$$

$$61 + (6^2 + 1) = 98$$

=> Ans - (A)

Instructions

For the following questions answer them individually

Question 19

L, M, N and O are brothers. L is darker than O, N is the fairest of all. M is fairer than O. Who is the darkest of all ?

- A N
- B O
- C L
- D M

Answer: C

Explanation:

Let's take darkness as the quantity measured.

Given $O < L$

N is the least (since fairest implies least darkest)

$M < O$

This implies $N < M < O < L$

Hence L is the darkest

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Question 20

Anjali says, "He is the only son of the father of my sister's brother." How is that person related to Anjali ?

- A Uncle
- B Cousin
- C Brother
- D Father

Answer: C

Explanation:

My sister's brother = My brother

Father of my brother = My father

Son of my father = My brother

Hence he is her brother

Question 21

From the given alternative words, select the word which can be formed using the letters of the given word.

FUNDAMENTAL

- A TAME
- B FUNDS
- C DETRIMENTAL
- D NOSE

Answer: A

Explanation:

There is no 'S' in the given word. Therefore, the words FUNDS and NOSE cannot be formed. There is no 'R' in the given word. Therefore, the word DETRIMENTAL cannot be formed.

Thus, only 'Tame' can be formed.

=> Ans - (A)

Question 22

From the given alternative words, select the word which cannot be formed using the letters of the given word. THERMODYNAMICS

A MATHEMATICS

B MOTHER

C MODERN

D DYNAMO

Answer: A

Explanation:

There are only one A and T in the given word. Therefore, the word MATHEMATICS cannot be formed.

=> Ans - (A)

General Science Notes for SSC CGL

Question 23

Joan's age is 42 years and Kelvin's age is 26 years. How many years ago was Kelvin's age half of Joan's age ?

A 6 years

B 4 years

C 10 years

D 8 years

Answer: C

Explanation:

Assume x years ago, Kelvin's age was half of Joan's age

$$1/2(42-x) = 26-x$$

Solving the above equation, we get x=10 years

Question 24

In a certain code, 'RATIONAL' is written as 'RTANIOLA'. How would "TRIBAL" be written in the same code. ?

A TIRLBA

B TIRABL

C TRIALB

D TIRALB

Answer: A

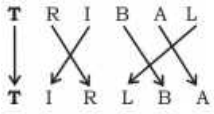
Explanation:

Given : 'RATIONAL' is written as 'RTANIOLA'

The pattern followed is :



Similarly, for TRIBAL :



=> Ans - (A)

Question 25

If 'INDUS' is coded as '03865' and 'TENNIS' is coded as '243305', then what will be the code for 'STUDENT' ?

- A 5628342
- B 5648324
- C 5268432
- D 5642832

Answer: C

Explanation:

The codes for each letter is given, eg : I = 0 , N = 3 , D = 8 , U = 6 , S = 5

Similarly, T = 2 , E = 4

Substituting above values, we get :

STUDENT = **5268432**

=> Ans - (C)

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Question 26

Given below are capital letters in the first line and symbols in the second line. Symbols and letters are codes for each other. Choose the correct code for the word : HEIGHT

A	C	E	G	H	I	O	N	P	R	T	S	B	D	M
+	-	÷	x	=	()	[]	≠		#		>	<		

- A = ÷ (x = ||
- B = x (x = ||
- C = ÷ (x || =
- D = x (÷ = ||

Answer: A

Explanation:

According to the question,

- H -> =
- E -> ÷
- I -> (
- G -> x
- H -> =

T -> II

Thus, HEIGHT : = ÷ (× =II

=> Ans - (A)

Question 27

In a school, the bell is rung once after each half an hour. The school starts at 8:00 a.m. and closes at 1:30 p.m. The bell is rung 3 times continuously, at the time of beginning, at the time of lunch break at 10:00 and 10:30 a.m. and at the end. How many times is the bell rung every day ?

A 21

B 22

C 19

D 20

Answer: D

Explanation:

The bell rings 3 times at beginning of school, at the end of school and at beginning of lunch and at the end of lunch so that makes up 12 gongs.

Then it rings after every half an hour .

8.30 9.00 9:30 = 3 times

(We have already counted the bell at 10.00 and 10.30 for lunch)

11.00 11.30 12.00 12.30=5 times

So total 12+3+5=20 times

Question 28

Some letters are given with numbers from 2 to 9. Select the sequence of numbers which arranges the letters into a meaningful word.

N	A	E	X	I	M	O	T	N	A	I
9	2	3	4	5	6	7	8	9	2	5

A 3, 4, 6, 2, 9, 5, 8, 5, 2, 9, 7

B 3, 6, 2, 4, 2, 9, 5, 7, 5, 9, 8

C 3, 4, 2, 2, 6, 5, 9, 7, 8, 9, 5

D 3, 4, 2, 6, 5, 9, 2, 8, 5, 7, 9

Answer: D

Explanation:

The numbers in option D when converted back to letters signify EXAMINATION which is a meaningful word

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Question 29

Select the correct combination of mathematical signs to replace * signs and to balance the following equation :

$$(\sqrt{121} * 9) * 5 * 4 * 1$$

A - + × =

B + ÷ × =

C $= + \times \div$

D $- \times + =$

Answer: B

Explanation:

$(\sqrt{121 + 9}) \div 5 \times 4 = 1$

Hence, option B

Question 30

If '-' stands for 'division', '+' stands for 'multiplication', ' \div ' stands for 'subtraction', ' \times ' stands for 'addition', then which one of the following equations is correct ?

A $36 \times 4 - 12 + 5 \div 3 = 420$

B $52 \div 4 + 5 \times 8 - 2 = 36$

C $36 - 12 \times 6 \div 3 + 4 = 60$

D $43 \times 7 \div 5 + 4 - 8 = 25$

Answer: B

Explanation:

(A) : $36 \times 4 - 12 + 5 \div 3 = 420$

$\equiv 36 + 4 \div 12 \times 5 - 3 = 420$

L.H.S. = $36 + \frac{5}{3} - 3 = \frac{104}{3} \neq$ R.H.S.

(B) : $52 \div 4 + 5 \times 8 - 2 = 36$

$\equiv 52 - 4 \times 5 + 8 \div 2 = 36$

L.H.S. = $52 - 20 + 4 = 36 =$ R.H.S.

\Rightarrow Ans - (B)

Question 31

Some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.

$5 \ominus 3 = -7$; $3 \ominus 7 = -11$; $7 \ominus 11 = ?$

A - 59

B 77

C - 15

D 18

Answer: A

Explanation:

The pattern followed is that the product of the numbers is subtracted from the sum of the numbers.

Eg : $5 \ominus 3 = (5 + 3) - (5 \times 3) = 8 - 15 = -7$

and $3 \ominus 7 = (3 + 7) - (3 \times 7) = 10 - 21 = -11$

Similarly, $7 \ominus 11 = (7 + 11) - (7 \times 11) = 18 - 77 = -59$

\Rightarrow Ans - (A)

Instructions

In each of the following questions, select the missing number from the given responses.

Question 32

8	4	7
6	9	9
48	36	?
16	12	21

- A 24
- B 16
- C 42
- D 63

Answer: D

Explanation:

8	4	7
6	9	9
48	36	?
16	12	21

let the missing term be y

here we can see that numbers in row 3 are multiple of numbers in row 1 and row 2

$$48 = 8 \times 6$$

$$36 = 4 \times 9$$

$$\text{and hence, } y = 7 \times 9 = 63$$

Question 33

3	8	7
9	6	3
2	?	12

- A 4
- B 3
- C 7
- D 6

Answer: A

Question 34

2	4	3	2
9	7	6	5
?	33	27	21

- A 77
- B 35.
- C 69
- D 80

Answer: A

Explanation:

2	4	3	2
9	7	6	5
?	33	27	21

let the missing term be y

here numbers in 3rd row of every column = square of number in 2nd row in same column - square of number in 1st row in same column

$$33 = 7^2 - 4^2$$

$$27 = 6^2 - 3^2$$

$$21 = 5^2 - 2^2$$

and hence same pattern will follow in 1st column

$$\text{and so, } y = 9^2 - 2^2 = 77$$

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Instructions

For the following questions answer them individually

Question 35

Some statements are given followed by three conclusions I, II and III. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions if any, follow from the given statements. Indicate your answer.

Statements :

All chickens are birds. Some chickens are hens. Female birds lay eggs.

Conclusions :

I. All birds lay eggs.

II. Some hens are birds.

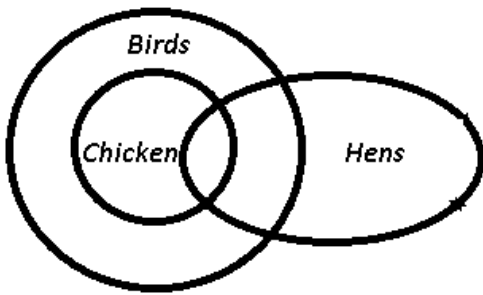
III. Some chickens are not hens.

- A Conclusions II and III both follow
- B All conclusions I, II and III follow
- C Only conclusion I follows
- D Only conclusion II follows

Answer: D

Explanation:

The venn diagram for above statement is :



Conclusions :

- I. All birds lay eggs = false (\because only female birds lay eggs)
- II. Some hens are birds = true
- III. Some chickens are not hens = false

Thus, only conclusion II follows

=> Ans - (D)

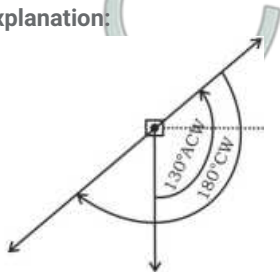
Question 36

A man is facing South. He turns 135° in the anticlockwise direction and then 180° in the clockwise direction. Which direction is he facing now ?

- A South - East
- B South - West
- C North - East
- D North - West

Answer: B

Explanation:



The man is initially facing south direction, after turning 135° in the anticlockwise direction, he is facing north-east and finally after turning 180° in the clockwise direction, he will face **South-West** direction.

=> Ans - (B)

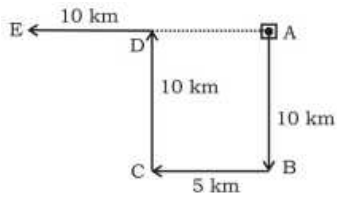
Question 37

Raju cycled 10 km South from his house, turned right and went 5 km and again turned right and cycled 10 km and then turned left and cycled 10 km. How many kilometres will he have to cycle back to reach his house ?

- A 10 km
- B 5, km
- C 20 km
- D 15 km

Answer: D

Explanation:



Let Raju's initial position be at point A, he cycled 10 km south and reached B, then turned and went 5 km, he again turned right from point C and cycled for 10 km to reach D, finally he cycled for 10 km and stopped at point E.

Thus, $AE = 10 + 5 = 15$ km

=> Ans - (D)

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Question 38

"If a person is rich, he has a lot of influence."

What inference can you draw from the above statement ?

- A Kamala is rich, so she has a lot of influence.
- B Poor people cannot have influence.
- C Ram has a lot of influence, so he is rich.
- D Govind is not rich, so he does not have a lot of influence.

Answer: A

Explanation:

The statement indicates that, if a person is rich, he has a lot of influence, and not vice-versa, thus third option is not possible. Also, if someone's poor, it does not mean that they do not have any influence, thus second and last options are eliminated.

Only possible inference is Kamala is rich, so she has a lot of influence.

=> Ans - (A)

Question 39

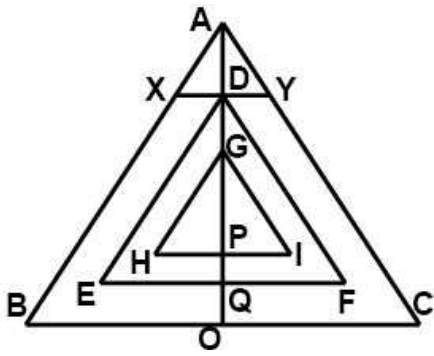
How many triangles are there in the given figure ?



- A 11
- B 12 or more
- C 9
- D 10

Answer: B

Explanation:



ABC ADX DQE

AXY ADY DQF

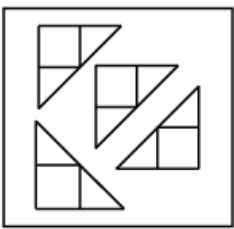
DEF AOB GPH

GHI AOC GPI

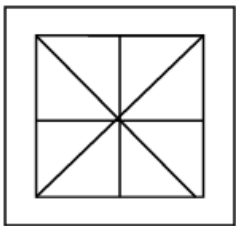
Hence there are 12 triangles

Question 40

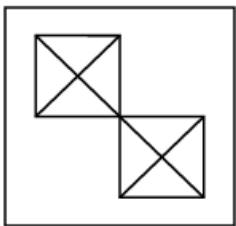
Among the four answer figures, which one can be formed from the cut out pieces given below in the question figure ?



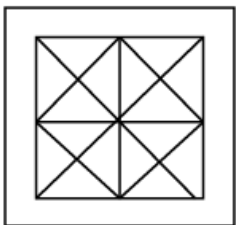
A



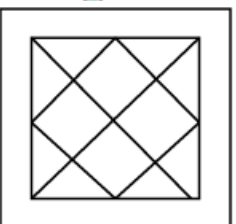
B



C

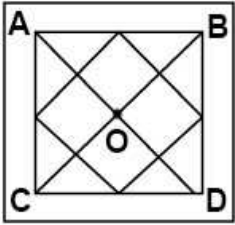


D



Answer: D

Explanation:

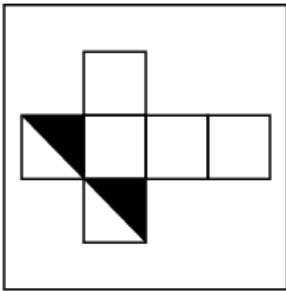


In the figure, parts AOB, BOC, COD, DOA are just the figures given question.
Hence option D.

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Question 41

Choose the cube which will be formed on folding the given question figure.



A



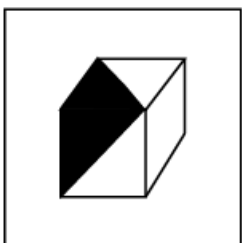
B



C



D



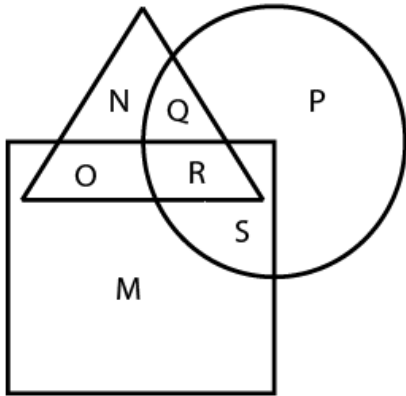
Answer: C

Explanation:

Interpreting cube from question figure, option C can be formed as cube.

Question 42

In the given figure, which letter represents those Nurses who are Doctors as well as Pharmacists ?



A R

B S

C P

D 9

Answer: A

Explanation:

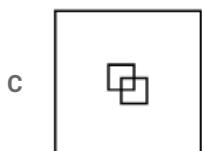
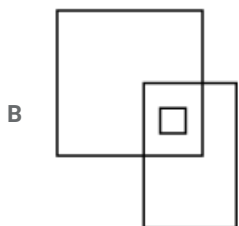
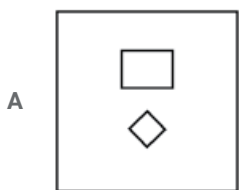
We need to find that piece of the set nurses which intersects with the set doctors and the set pharmacists. Hence it's R.

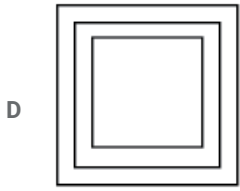
Instructions

In the following questions, identify the diagram that best represents the relationship among the classes given below.

Question 43

Duck, Penguin, Bird





Answer: A

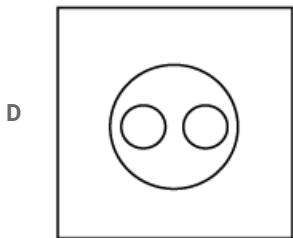
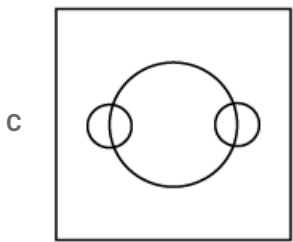
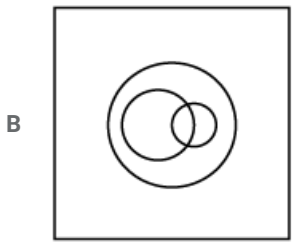
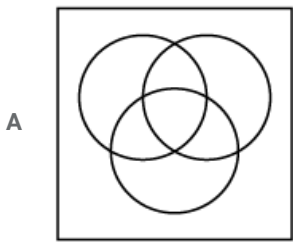
Explanation:

Ducks and penguins are types of birds. This is best represented by option A.

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Question 44

Profit, Dividend, Bonus



Answer: D

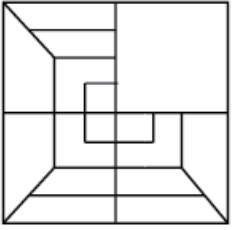
Explanation:

Bonus and Dividend are different from each other. But both these are parts of profit.

Instructions

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

Question 45



A



B



C



D

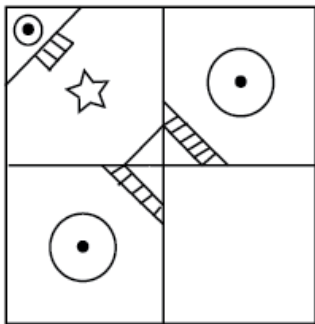


Answer: D

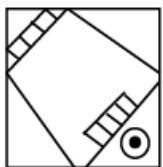
Explanation:

Answer figure must be reflection of first quadrant in question figure. Hence it's option D.

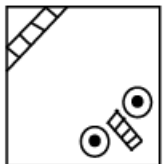
Question 46

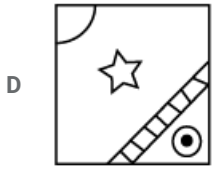
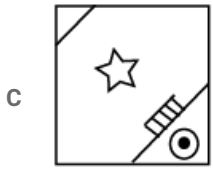


A



B





Answer: C

Explanation:

Answer figure must be reflection of first quadrant in question figure. Hence it is option C.

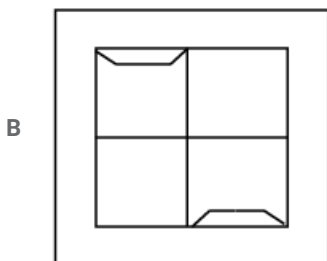
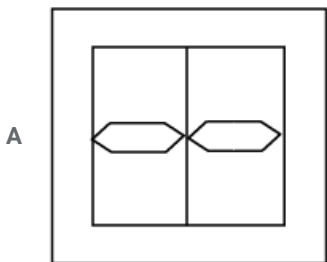
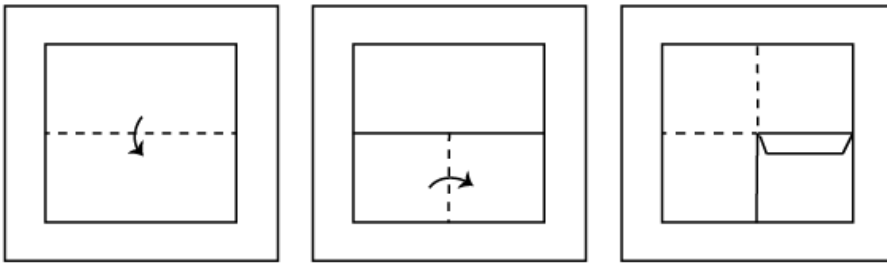
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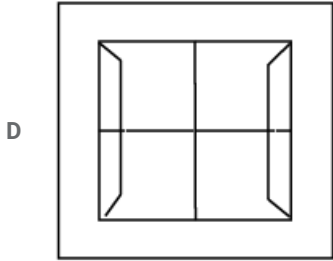
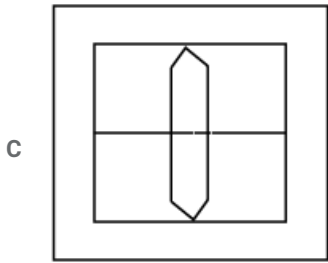
Instructions

For the following questions answer them individually

Question 47

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





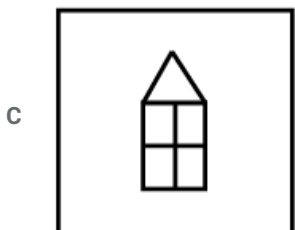
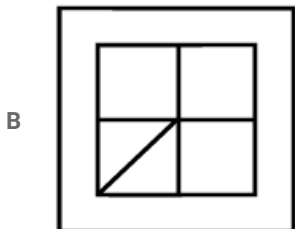
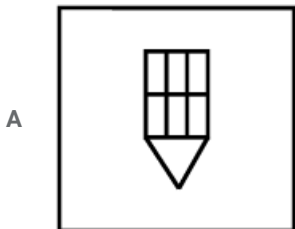
Answer: A

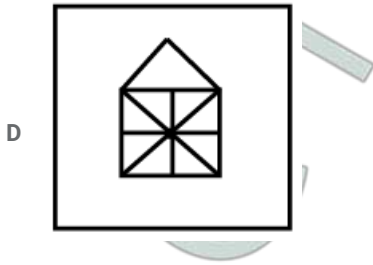
Explanation:

The hole cut will be present in all 4 quadrants as shown in option A.

Question 48

From the given answer figures, select the one in which the question figure is hidden/embedded.





Answer: D

Explanation:

It can be seen that the figure in option D contains the question figure.

Question 49

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 that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'A' can be represented by 03, 34, 86, etc. and can be represented by 12, 65, 79, etc. Similarly, you have to identify the set for the given word.

REST

MATRIX I

	0	1	2	3	4
0	G	V	E	A	C
1	R	O	N	G	S
2	M	N	E	S	I
3	O	T	I	T	A
4	N	S	N	E	P

MATRIX II

	5	6	7	8	9
5	R	E	O	N	G
6	N	P	V	E	S
7	M	T	I	O	N
8	E	A	I	C	O
9	N	T	A	R	S

A 55, 43, 23, 69

B 98, 56, 31, 77

C 10, 02, 69, 88

D 55, 22, 99, 33

Answer: D

Explanation:

R can be represented by 55

E can be represented by 22

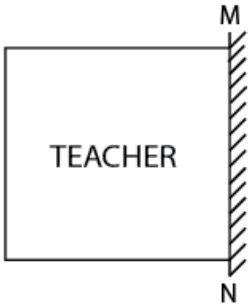
S can be represented by 99

T can be represented by 5

Hence, option D

Question 50

If a mirror is placed on the line MN, then which of the answer figures is the right image of the given question figure ?



Answer: D

Explanation:

The 180 degree rotation of given figure is given by option D

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General Awareness

Instructions

For the following questions answer them individually

Question 51

A unit price elastic demand curve will touch

- A both price and quantity axis
- B neither price axis, nor quantity axis
- C only price axis
- D only quantity axis

Answer: B

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Question 52

India follows the policy of non-alignment which implies.

- A being a third world power
- B choosing its own policies
- C neutrality towards power blocs
- D bringing peace and amity to the world

Answer: C

Question 53

If the supply curve is a straight line passing through the origin, then the price elasticity of supply will be

- A less than unity
- B infinitely large
- C greater than unity
- D equal to unity

Answer: D

Question 54

According to Modern Theory of Rent, rent accrues to

- A capital only
- B any factor
- C labour only
- D land only

Answer: B

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Question 55

The book which is at the centrepiece of the study of Macro - Economics was written by

- A Prof. Samuelson
- B Prof. J.M. Keynes
- C Prof. Benham
- D Prof. Baumol

Answer: B

Question 56

The basic problem studied in Macro - Economics is

- A production of income
- B usage of income
- C flow of income
- D distribution of income

Answer: A

Question 57

The number of subjects incorporated in the Union List is

- A 97
- B 102
- C 812
- D 89

Answer: A

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Question 58

Who was the French Governor of Pondicherry. Who tried to make the French Company as a powerful company ?

- A Thomas Arthur, Comte de Lally
- B Godeheu
- C La Bourdonnais
- D Joseph Francois Dupleix

Answer: D

Question 59

The most powerful Peshwa was

- A Balaji Baji Rao
- B Baji Rao

C Madhava Rao

D Balaji Vishwanath

Answer: B

Question 60

Democratic Socialism aims at

A bringing about Socialism through peaceful means

B bringing about Socialism through violent and peaceful means

C bringing about Socialism through violent means

D bringing about Socialism through democratic means

Answer: D

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Question 61

Two - Party System is found in

A Russia

B U.S.A.

C India

D France

Answer: B

Question 62

Chief Justice of the Supreme Court is appointed by the

A Speaker of the Lok Sabha

B Chairman of the Rajya Sabha

C Prime Minister

D President

Answer: D

Question 63

What are the folds found in the mucous lining of the empty stomach ?

A Typhlosole

B Areolae

C Rugae

D Villi

Answer: C

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Question 64

The first Mysore War fought between the British and Hy-der Ali in 1767 - 69 A.D., came to an end by the

- A Treaty of Pondicherry
- B Treaty of Madras
- C Treaty of Mysore
- D Treaty of Aix - la - Chapelle

Answer: B

Question 65

The British Government intervened in the affairs of the Company and passed an Act in 1773 A.D., known as the

- A Regulating Act
- B Pitt's India Act
- C Charter Act
- D Company Act

Answer: A

Question 66

Sher Shah defeated Humayun and captured Gaur in the battle of

- A Ghaghra in 1529 A.D.
- B Chausa in 1539 A.D.
- C Panipat in 1526 A.D.
- D Khanwa in 1527 A.D.

Answer: B

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Question 67

Identify the most infertile amongst the following soils.

- A Black cotton soil
- B Alluvial soil
- C Laterite soil
- D Peaty soil

Answer: C

Question 68

Spot the odd item of the following :

- A Shale
- B Marble
- C Limestone
- D Sandstone

Answer: B

Question 69

Which of the following reasons is responsible for lack of vegetation in the deserts ?

- A Heavy volume of sands
- B Absence of B-horizon in the soil
- C High temperature
- D Lack of rainfall

Answer: D

General Science Notes for SSC CGL

Question 70

Which one of the following pairs is not correctly matched ?

- A Khadar - Zonal soil
- B Podzol - Zonal soil
- C Chestnut - Zonal soil
- D Bhangar - Azonal soil

Answer: A

Question 71

Select the correct direction of Sirocco storm.

- A Sahara to Mediterranean Sea
- B North from U.S.A.
- C West from Sahara
- D Adriatic Sea to Italy

Answer: A

Question 72

Which among the following is an abiotic factor ?

- A Mites
- B Moisture
- C Insects
- D Rodents

Answer: B

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Question 73

Leaves of many grasses are capable of folding and unfolding because

- A their mesophyll is not differentiated into palisade and spongy parenchyma
- B they have stomata on both sides of the leaf
- C they have high levels of silica
- D they have specialised bulliform cells

Answer: D

Question 74

Pleura is the covering of

- A Lung
- B Liver
- C Kidney
- D Heart

Answer: A

Question 75

Which one of the following is an egg-laying mammal ?

- A Sloth
- B Duck - billed platypus
- C Kangaroo
- D Bandicoot

Answer: B

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Question 76

The moderator used in a nuclear reactor is

- A Uranium
- B Radium,
- C Ordinary water
- D Graphite

Answer: C

Question 77

Solar eclipse occurs when

- A the Moon does not lie on the line joining the Sun and the Earth
- B the Moon comes between the Sun and the Earth
- C the Sun comes between the Moon and the Earth
- D the Earth comes between the Moon and the Sun

Answer: B

Question 78

An aspect of Input/Output controller of data logic is called

- A General Buffering
- B Zero Buffering
- C Buffering
- D Data Buffering

Answer: C

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Question 79

What does BIOS stand for ?

- A Basic Internal Output System
- B Basic Intra Operating System
- C Basic Internal Organ System
- D Basic Input Output System

Answer: D

Question 80

The device used to convert solar energy into electricity is

- A Photovoltaic cell
- B Daniell cell

C Electrochemical cell

D Galvanic cell

Answer: A

Question 81

The type of kidneys present in frog are

A Mesonephros

B Metanephros

C Archinephros

D Pronephros

Answer: A

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Question 82

A spinning neutron star is known as

A White dwarf

B Black hole

C Pulsar

D Quasar

Answer: C

Question 83

Light year is a unit of

A Light

B Current

C Distance

D Time

Answer: C

Question 84

The chemical name of 'Plaster of Paris' commonly used for setting broken bones is

A Calcium nitrate

B Calcium sulphate

C Calcium carbonate

D Calcium chloride

Answer: B

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Question 85

In our country the Van Mahotsav' Day is observed on

- A 10th August
- B 1st July
- C 2nd October
- D 1st December

Answer: B

Question 86

Medicine of Quinine is provided by

- A Cinchona plant
- B Money plant
- C Eucalyptus plants
- D Aconite plants

Answer: A

Question 87

The apparatus used to test acidity of aqueous solution is

- A pH meter
- B Ammeter
- C Hygrometer
- D Acidmeter

Answer: A

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Question 88

The Hutti Gold mines are located in the State of

- A Karnataka
- B Tamil Nadu
- C Andhra Pradesh
- D Maharashtra

Answer: A

Question 89

Who was the first recipient of 'Mahathir Award' for Global Peace in August 2013 ?

- A Malala Yousafzai
- B John Boehner
- C Howard Stern
- D Nelson Mandela

Answer: D

Question 90

Process through which plants reproduce

- A Pollination
- B Condensation
- C Eating
- D Evaporation

Answer: A

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Question 91

Which river serves the largest cultivable area ?

- A Ganga
- B Saiyu
- C Godavari
- D Krishna

Answer: A

Question 92

In August 2013, who won the International Children's Peace Prize ?

- A Malala Yousafzai
- B Angela Merkel
- C A.P.J. Abdul Kalam
- D Silvio Berlusconi

Answer: A

Question 93

Who is the present President of Pakistan ?

- A Asif All Zardari
- B Nawaz Sharif
- C Raza Rabbani
- D Mamnoon Hussain

Answer: D

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Question 94

Who had been selected for the Rajiv Gandhi National Sadbhavana Award 2013 ?

- A Amjad All Khan
- B Gautam Ghosh
- C Aashish Khan
- D Muzaffar Ali

Answer: A

Question 95

Who was elected as the Ninth President of International Olympic Committee (IOC) on 10th September, 2013?

- A Thomas Bach
- B Ching - Kuo - Wu
- C Serge' Bubka
- D Richard Carrion

Answer: A

Question 96

The Indian Grandmaster who won the Commonwealth Chess Championship in 2013 is

- A Koneru Humpy
- B Magnus Carlsen
- C Abhijeet Gupta
- D Vishwanathan Anand

Answer: C

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Question 97

Who had been selected for the Tagore Award for Cultural Harmony in 2013 ?

- A Kiran Bedi
- B Chetan Anand
- C Zubin Mehta
- D Anita Desai

Answer: C

Question 98

Who won the U.S. Open Men's Singles in 2013 in Lawn Tennis ?

- A Andy Murray
- B Roger Federer
- C Rafael Nadal
- D Novak Djokovic

Answer: C

Question 99

On which date did the Rajya Sabha pass " The Marriage Laws" (Amendment) Bill 2012 ?

- A 18th August, 2013
- B 5th August, 2013
- C 26th August, 2013
- D 23rd August, 2013

Answer: C

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Question 100

Which of the following was the first Indian exclusive defence satellite which was successfully launched on 29 August, 2013 ?

- A GSAT - 7
- B MIG - 47
- C GSET - 4
- D GSAT - 6

Answer: A

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Quant

Instructions

For the following questions answer them individually

Question 101

Solve for $3^x - 3^{x-1} = 486$

- A 7
- B 9
- C 5
- D 6

Answer: D

Explanation:

Given, $3^x - 3^{x-1} = 486$

$$3^x - \frac{3^x}{3} = 486$$

Taking 3^x as common

$$3^x \left(1 - \frac{1}{3}\right) = 486$$

$$3^x = 729$$

$$3^x = 3^6$$

Hence, $x = 6$

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Question 102

A can do a piece of work in 4 days and B can do it in 12 days. In how many days will they finish the work, both working together ?

- A 4 days
- B 6 days
- C 2 days
- D 3 days

Answer: D

Explanation:

$$\text{A's 1 day's work} = \frac{1}{4}$$

$$\text{B's 1 day's work} = \frac{1}{12}$$

$$\text{(A+B)'s 1 day's work} = \frac{1}{4} + \frac{1}{12}$$

$$= \frac{3+1}{12}$$

$$= \frac{4}{12}$$

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

∴ A and B together does the work in 3 days.

Hence, Option D is correct.

Question 103

A can do $\frac{1}{4}$ of a work in 10 days. B can do $\frac{1}{3}$ of the work in 20 days. In how many days can both A and B together do the work ?

- A 30 days

- B 32 days
- C 24 days
- D 25 days

Answer: C

Explanation:

A does $\frac{1}{4}$ work in 10 days.

\therefore A will complete the work in $10 \times 4 = 40$ days.

Similarly, B will complete the work in $20 \times 3 = 60$ days.

(A+B)'s 1 day's work = $\frac{1}{40} + \frac{1}{60}$

$$= \frac{3+2}{120}$$

$$= \frac{1}{24}$$

\therefore time taken by A and B together to complete the work = 24 days.

Hence, Correct option is C.

Question 104

A and B can together finish a work in 30 days. They worked at it for 20 days and then B left. The remaining work was done by A alone in 20 more days. A alone can finish the work in

- A 60 days
- B 54 days
- C 48 days
- D 50 days

Answer: A

Explanation:

(A+B) together do the work in 30 days.

\therefore (A+B)'s 1 day's work = $\frac{1}{30}$

\therefore (A+B)'s 20 days' work = $\frac{20}{30} = \frac{2}{3}$

Remaining Work = $1 - \frac{2}{3}$

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

\therefore Time taken by A in doing $\frac{1}{3}$ work = 20 days

\therefore Time taken by A to complete the work = 20×3

$$= 60 \text{ days}$$

Hence, Option A is correct.

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Question 105

A circular wire of diameter 112 cm is cut and bent in the form of a rectangle whose sides are in the ratio of 9 : 7. The smaller side of the rectangle is

- A 77 cm

- B 97 cm
- C 67 cm
- D 87 cm

Answer: A

Explanation:

Let sides of rectangle be $7x$ and $9x$.

Perimeter of Circular wire = Perimeter of Rectangle.

$$\pi \times d = 2 \times (9x + 7x) \text{ ('d' is the diameter of circular wire)}$$

$$\frac{22}{7} \times 112 = 32x$$

$$x = 11$$

Hence, smaller side of rectangle is $11 \times 7 = 77 \text{ cm}$.

Therefore, Option A is the correct answer.

Question 106

A piece of cloth measured with a metre stick, one cm short, is 100 metres long. Reckoning the metre stick as being right, the actual length of the cloth (in cm) is

- A 3,900
- B 9,900
- C 8,000
- D 6,100

Answer: B

Explanation:

Since $1 \text{ m} = 99 \text{ cm}$ on meter scale.

Hence, $100 \text{ m} = 9900 \text{ cm}$ on meter scale.

Hence, Option B is correct.

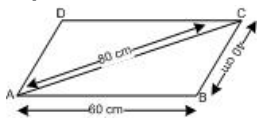
Question 107

A parallelogram has sides 60 m and 40m and one of its diagonals is 80 m long. Its area is

- A $500 \sqrt{15} \text{ sq. m}$
- B $600 \sqrt{15} \text{ sq. m}$
- C $400 \sqrt{15} \text{ sq. m}$
- D $450 \sqrt{15} \text{ sq. m}$

Answer: B

Explanation:



Area of a triangle = $\sqrt{s(s-a)(s-b)(s-c)}$ (Heron's Formula)

In $\triangle ABC$,

$$a=60, b=40, c=80$$

$$s = \frac{a+b+c}{2} = \frac{40+60+80}{2}$$

$$s = 90$$

$$\text{Area of } \triangle ABC = \sqrt{90(90-60)(90-40)(90-80)}$$

$$= \sqrt{90 \times 30 \times 50 \times 10}$$

$$= 300\sqrt{15}$$

Area of parallelogram ABCD = $2 \times$ Area of $\triangle ABC$

$$= 2 \times 300\sqrt{15}$$

$$= 600\sqrt{15}$$

Hence, Option B is correct.

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Question 108

The cost price of a table is 3,200. A merchant wants to make 25 % profit by selling it. At the the time of sale he declares a discount of 20 % on the marked price. The marked price (in r) is

- A 5,000
- B 6,000
- C 4,000
- D 4,500

Answer: A

Explanation:

$$\text{C.P.} = 3200$$

$$\text{Profit} = \frac{25}{100} * 3200 = 800$$

$$\Rightarrow \text{S.P.} = 3200 + 800 = 4000$$

$$\text{Let M.P.} = x$$

$$\text{Discount \%} = 20\%$$

$$\Rightarrow \frac{x - 4000}{x} * 100 = 20$$

$$\Rightarrow 4x = 20,000$$

$$\Rightarrow x = 20,000 / 4 = 5,000$$

Question 109

A shopkeeper allows a discount of 12.5 % on the marked price of a certain article and makes a profit of 20 %. If the article costs the shopkeeper 210, then the marked price of the article will be

- A 387
- B 350
- C 386
- D 288

Answer: D

Explanation:

$$\text{C.P.} = 210$$

$$\text{Profit} = \frac{20}{100} * 210 = 42$$

$$\Rightarrow \text{S.P.} = 210 + 42 = 252$$

$$\text{Let M.P.} = x$$

$$\text{Discount \%} = 12.5\%$$

$$\Rightarrow \frac{x-252}{x} * 100 = 12.5$$

$$\Rightarrow 7x = 2016$$

$$\Rightarrow x = 2016/7 = 288$$

Question 110

A businessman allows a discount of 10 % on the marked price. What percent above the cost price must he mark his goods to make a profit of 17 per cent ?

- A 27 %
- B 18%
- C 30 %
- D 20 %

Answer: C

Explanation:

Let M.P. = $100x$

$$\text{Discounted amount} = \frac{10}{100} * 100x = 10x$$

$$\Rightarrow \text{S.P.} = 100x - 10x = 90x$$

Let C.P. = $100y$

$$\text{Profit} = \frac{17}{100} * 100y = 17y$$

$$\Rightarrow \text{S.P.} = 100y + 17y = 117y$$

$$\Rightarrow 90x = 117y$$

$$\Rightarrow x = \frac{13y}{10}$$

$$\Rightarrow \text{M.P.} = 100 * \frac{13y}{10} = 130y$$

\therefore C.P. = $100y$

$$\Rightarrow \text{Markup \%} = \frac{130y - 100y}{100y} * 100 = 30\%$$

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Question 111

Some bricks are arranged in an area measuring 20 cu. m. If the length, breadth and height of each brick is 25 cm, 12.5 cm and 8 cm respectively, then in that pile the number of bricks are (suppose there is no gap in between two bricks)

- A 6,000
- B 8,000
- C 4,000
- D 10,000

Answer: B

Explanation:

Let there be 'n' no. of bricks.

$$\text{Volume of pile} = 20 \text{ m}^3$$

$$= 20 \times 100 \times 100 \times 100 \text{ cm}^3$$

$$\text{Volume of one brick} = 25 \times 12.5 \times 8 \text{ cm}^3$$

Total volume of pile = Total volume of bricks
 $20 \times 100 \times 100 \times 100 = n \times 25 \times 12.5 \times 8$
 $n = 8000$

Hence, Option B is correct.

Question 112

The average salary, per head, of all the workers of an institution is 60. The average salary of 12 officers is = 400; the average salary, per head, of the rest is 56. The total number of workers in the institution is

- A 1030
- B 1035
- C 1020
- D 1032

Answer: D

Explanation:

Let the total number of members in the institution be z

$$\text{average} = \frac{\text{Sum of Elements}}{\text{Number of Elements}}$$

Average salary of institution = Rs 60

total salary of Institution = Rs $60z$

Given that out of z persons, there are 12 officers and their average salary is = Rs 400

and so total salary of 12 officers = $12 \times 400 = \text{Rs } 4800$

So total salary of other $(z-12)$ members = Rs $(60z - 4800)$(1)

It is given that average salary of $(z-12)$ persons = Rs 56

and hence from here the total salary of $(z-12)$ people = Rs $56(z-12)$(2)

Equation 1 and 2 are equal

$$60z - 4800 = 56z - 672$$

$$4z = 4128$$

$$z = 1032$$

Question 113

Charging 30% above its production cost a radio maker puts a label of 286 on a radio as its price. But at the time of selling it, he allows 10% discount on the labelled price. What will his gain be ?

- A 257.40
- B 254.40
- C 198
- D 37.40

Answer: D

Explanation:

M.P. = 286

$$\text{Discounted amount} = \frac{10}{100} * 286 = 28.6$$

$$\Rightarrow \text{S.P.} = 286 - 28.6 = 257.4$$

Let C.P. = x

Mark up% = 30%

$$\Rightarrow \frac{286-x}{x} * 100 = 30$$

$$\Rightarrow 13x = 2860 \Rightarrow x = 220$$

$$\text{Profit} = \text{S.P.} - \text{C.P.} = 257.4 - 220$$

$$= 37.4$$

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Question 114

In an election, a candidate who gets 84% of the votes is elected by a majority of 476 votes. What is the total number of votes polled ?

A 900

B 810

C 600

D 700

Answer: D

Explanation:

let the amount of total votes be y

$$\text{So winner got 84\% of total votes} = \frac{84}{100}xy$$

$$\text{Looser got 16\% of total votes} = \frac{16}{100}xy$$

It is given that winner wins with a margin of 476 votes .

$$\text{So, } \frac{84}{100}xy - \frac{16}{100}xy = 476$$

$$y = 700 \text{ votes}$$

Question 115

A man having height 169 cm is standing near a pole. He casts a shadow 130 cm long. What is the length of the pole if it gives a shadow 420 cm long ?

A 550 cm

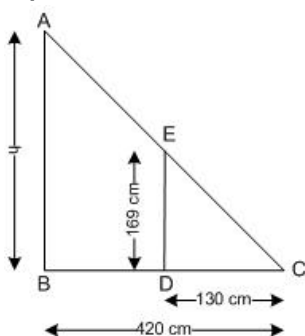
B 589 cm

C 323 cm

D 546 cm

Answer: D

Explanation:



AB=h=Height of tower

DE=Height of man

CD=Shadow of man

BC=Shadow of tower

$\therefore \triangle CED$ is similar to $\triangle ABC$.

$$\therefore \frac{DE}{AB} = \frac{CD}{BC}$$

$$\frac{169}{h} = \frac{130}{420}$$

$$h = 546 \text{ cm}$$

Therefore, Option D is correct.

Question 116

555 was to be divided among A, B and C in the ratio of $1/4 : 1/5 : 1/6$. But by mistake it was divided in the ratio of $4 : 5 : 6$. The amount in excess received by C was

A 72

B 75

C 22

D 52

Answer: A

Explanation:

for making calculations easier multiply the original ratio by 60

after multiplying original ratio by 60 = 15:12:10

$$\text{C's actual share} = \frac{10}{37} * 555 = 150$$

$$\text{Amt C received} = \frac{6}{15} * 555 = 222$$

$$\text{Excess amt with C} = 222 - 150 = 72$$

General Science Notes for SSC CGL

Question 117

The average of 50 numbers is 38. If two numbers, namely 45 and 55 are discarded, the average of the remaining numbers is

A 37.5

B 37.9

C 36.5

D 37.0

Answer: A

Explanation:

$$\text{Average} = \frac{\text{Sum of Elements}}{\text{Number of Elements}}$$

Given that Initially Number of Elements = 50

Initial Average = 38

$$\text{Sum of Elements} = 50 \times 38 = 1900$$

Now as two numbers are discarded, hence number of elements left = 48

Sum of elements after discarding numbers = $1900 - 55 - 45 = 1800$

Hence New Average = $\frac{1800}{48} = 37.5$

Question 118

In what time will 8,000, at 3% per annum, produce the same interest as 6,000 does in 5 years at 4% simple interest ?

- A 5 years
- B 6 years
- C 3 years
- D 4 years

Answer: A

Explanation:

It is given that Rs 6000 with interest 4% per annum (SI) produces an interest in 5 years = $\frac{P \times R \times T}{100} = \frac{6000 \times 4 \times 5}{100}$
= Rs 1200

Now the new principal amount is Rs 8000 and rate of interest is 3% per annum. Let the time be T years in which same Rs 1200 will be generated as interest.

$$\frac{8000 \times 3 \times T}{100} = 1200$$

T = 5 years

Question 119

The reciprocal of $x + \frac{1}{x}$

- A $\frac{x}{x^2+1}$
- B $\frac{x}{x+1}$
- C $x - \frac{1}{x}$
- D $\frac{1}{x + x}$

Answer: A

Explanation:

$$x + \frac{1}{x} = \frac{x^2+1}{x}$$

Reciprocal of $x + \frac{1}{x}$
= Reciprocal of $\frac{x^2+1}{x}$

$$= \frac{1}{\frac{x^2+1}{x}}$$

$$= \frac{x}{x^2+1}$$

Hence, Option A is Correct.

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Question 120

What is the value of $\frac{2.75 \times 2.75 \times 2.75 - 2.25 \times 2.25 \times 2.25}{2.75 \times 2.75 + 2.75 \times 2.25 + 2.25 \times 2.25}$ is

- A 3

B $\frac{3}{2}$

C 1

D $\frac{1}{2}$

Answer: D

Explanation:

$$\begin{aligned} & 2.75 \times 2.75 \times 2.75 - 2.25 \times 2.25 \times 2.25 \\ & 2.75 \times 2.75 + 2.75 \times 2.25 + 2.25 \times 2.25 \\ & = \frac{2.75^3 - 2.25^3}{2.75^2 + 2.25^2 + 2.75 \times 2.25} \end{aligned}$$

We know that,

$$a^3 - b^3 = (a - b)(a^2 + b^2 + a \times b)$$

Hence,

$$2.75^3 - 2.25^3 = (2.75 - 2.25)(2.75^2 + 2.25^2 + 2.75 \times 2.25)$$

So,

$$\begin{aligned} & \frac{2.75^3 - 2.25^3}{2.75^2 + 2.25^2 + 2.75 \times 2.25} \\ & = \frac{(2.75 - 2.25)(2.75^2 + 2.25^2 + 2.75 \times 2.25)}{2.75^2 + 2.25^2 + 2.75 \times 2.25} \end{aligned}$$

$$= 2.75 - 2.25$$

$$= 0.5$$

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

Hence, Correct Option is D.

Question 121

The value of $1 - \frac{a^1 a}{1 - 1 + 1 - a}$

A a

B $1 - a$

C 1

D 0

Answer: D

Explanation:

$$\begin{aligned} & 1 - \frac{a^1 a}{1 - 1 + 1 - a} \\ & = 1 - \frac{1 a^{1+a}}{1 - 1 - a} \\ & = 1 - \frac{a^1}{1 - 1 - a} \end{aligned}$$

$$= 1 - \frac{a}{1 - (1 - a)}$$

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

$$= 1 - 1$$

$$= 0$$

Hence, Option D is correct.

Question 122

The value of $\frac{(243)^n \times 3^{2n+1}}{9^n \times 3^{n-1}}$ is

A 3

- B 9
- C 6
- D 12

Answer: B

Explanation:

$$\begin{aligned}
 & (3)^{\frac{5n}{5}} \times 3^{2n+1} \\
 &= 3^{2n} \times 3^{n+1} \\
 &= (3)^{3n+1} \\
 &= 3^{3n-1} \\
 &= (3)^{3n+1-3n+1} \\
 &= (3)^2 = 9 \text{ (B)}
 \end{aligned}$$

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Question 123

A speed of 45 Km/hr is the same as

- A 12.5 metre/second
- B 13 metre/second
- C 15 metre/second
- D 12 metre/second

Answer: A

Explanation:

$$\text{Speed in Km/hr} \times \frac{5}{18} = \text{speed in m/sec}$$

$$\text{So } 45\text{Km/hr} \times \frac{5}{18} = 12.5\text{m/s (A)}$$

Question 124

A train traveling of 55 km/hr travels X to place Y speed is increased km/hr., then the time of journey is reduced by

- A 25 minutes
- B 35 minutes
- C 20 minutes
- D 30 minutes

Answer: C

Question 125

If a, b, c are positive and $a + b + c = 1$, then the least value $\frac{1}{a} + \frac{1}{b} + \frac{1}{c}$ is

- A 9
- B 5
- C 3

D 1

Answer: A

Explanation:

For $1/a$ to be minimum, a must be maximum.

Maximum value is obtained when $a=b=c$.

Let $a=b=c=\frac{1}{3}$

Thus $\frac{1}{a} + \frac{1}{b} + \frac{1}{c} = 9$ (Option A)

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Question 126

In a $\triangle ABC$, $\angle A + \angle B = 118^\circ$, $\angle A + \angle C = 96^\circ$. find the value of $\angle A$.

A 36°

B 40°

C 30°

D 34°

Answer: D

Explanation:

$$\angle A + \angle B + \angle C = 180$$

$$\angle A + \angle C = 96^\circ,$$

$$\angle B = 84, \text{ and}$$

$$\text{from } \angle A + \angle B = 118, \angle A = 34$$

Question 127

In $\triangle ABC$, if $AD \perp BC$, then $AB^2 + CD^2$ is equal

A $2BD^2$

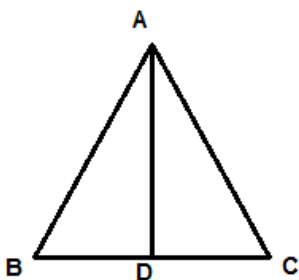
B $BD^2 + AC^2$

C $2AC^2$

D None of these

Answer: B

Explanation:



According to perpendicular bisector theorem $AB^2 + CD^2 = BD^2 + AC^2$ (B)

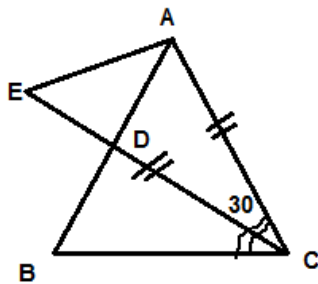
Question 128

ABC is an equilateral triangle and CD is the internal bisector of L C. If DC is produced to E such that AC = CE, then $\angle CAE$ is equal to

- A 45°
- B 75°
- C 30°
- D 15°

Answer: B

Explanation:



As per the problem,

In $\triangle ACE$, $AC = CE$, thus $\angle CAE = \angle CEA$

And $\angle CAE + \angle CEA + \angle ACE = 180$

so $\angle CAE = 75$

Hence, option B is the correct answer.

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Question 129

If $x(x - 3) = -1$, then the value of $x^3(x^3 - 18)$ is

- A -1
- B 2
- C 1
- D 0

Answer: A

Explanation:

$$x(x - 3) = -1 \text{ eq-(1)}$$

Cubing both the sides

$$((x)^3)((x)^3 - 27 + 27x - 9(x)^2) = -1 \text{ eq(2)}$$

From eq-(1) $(x)^2 - 3x = -1$

$$(x)^2 - 3x + 1 = 0$$

$$\text{or } 9(x)^2 - 27x + 9 = 0$$

substituting above in equation 2 we get

$$x^3(x^3 - 18) = -1$$

Question 130

The value of $(1001)^3$ is

- A 1003003001
- B 100303001
- C 100300301
- D 103003001

Answer: A

Explanation:

$$(11)^3 = 1331$$

$$(101)^3 = 1030301$$

$$\text{Thus } (1001)^3 = 1003003001 \text{ (A)}$$

Question 131

If $a(2 + \sqrt{3}) = b(2 - \sqrt{3})$ then the value of $1/(a^2 + 1) + 1/(b^2 + 1)$ is

- A -5
- B 1
- C 4
- D 9

Answer: B

Explanation:

$$\text{Let } a = (2 - \sqrt{3}) \text{ and } b = (2 + \sqrt{3})$$

$$a^2 = 7 - 4\sqrt{3}, \text{ and } b^2 = 7 + 4\sqrt{3}$$

$$\frac{1}{a^2+1} + \frac{1}{b^2+1} = \frac{(a)^2+(b)^2+2}{((a)^2+1)((b)^2+1)}$$

$$(a^2 + 1)(b^2 + 1) = (8 - 4\sqrt{3})(8 + 4\sqrt{3}) = 16(2 - \sqrt{3})(2 + \sqrt{3}) = 16$$

$$a^2 + b^2 + 2 = 16$$

$$\text{Thus } \frac{1}{a^2+1} + \frac{1}{b^2+1} = 1$$

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Question 132

If $x \sin^2 60^\circ - \frac{3}{2} \sec 60^\circ \tan^2 30^\circ + \frac{4}{5} \sin^2 45^\circ \tan^2 60^\circ = 0$ then x is

- A $-\frac{1}{15}$
- B -4
- C $-\frac{4}{15}$
- D -2

Answer: C

Explanation:

Remember that

$$\sin 60^\circ = \frac{\sqrt{3}}{2}, \sin 45^\circ = \frac{1}{\sqrt{2}}$$

$$\sin 30^\circ = \frac{1}{2}$$

$$\cos 30^\circ = \frac{\sqrt{3}}{2}$$

$$\tan 30^\circ = \frac{1}{\sqrt{3}}$$

$$\sec 60^\circ = 2$$

$$\tan 60^\circ = \sqrt{3}$$

So the above equation becomes

$$x\left(\frac{\sqrt{3}}{2}\right)^2 - \left(\frac{3}{2}\right)^2 + \left(\frac{1}{\sqrt{3}}\right)^2 + \left(\frac{4}{5}\right) \cdot 1 \cdot \left(\frac{1}{\sqrt{2}}\right)^2 \cdot (\sqrt{3})^2 = 0$$

$$3x/4 - 1 + 6/5 = 0$$

$$x = (1 - 6/5) \cdot 4/3$$

$$x = -4/15$$

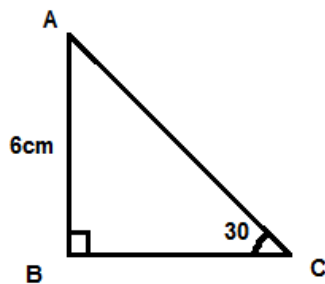
Question 133

If $\triangle ABC$ is right-angled at B, AB = 6 units, $\angle C = 30^\circ$ then AC is equal to

- A 12 units
- B 15 units
- C 8 units
- D 10 units

Answer: A

Explanation:



In $\triangle ABC$,

$$\sin 30^\circ = \frac{AB}{AC}$$

$$\frac{1}{2} = \frac{6}{AC}$$

$$AC = 12 \text{ cm (A)}$$

Question 134

If $7 \sin \alpha = 24 \cos \alpha$; $0 < \alpha < \frac{\pi}{2}$, then the value of $14 \tan \alpha - 24 \cot \alpha$ is equal to

- A 31
- B 46
- C 14
- D 41

Answer: D

Explanation:

Given:

$$\sin x / \cos x = \tan x = 24/7$$

$$\cos x / \sin x = \cot x = 7/24$$

To find: $14 \tan x - 24 \cot x$

$$(14 \cdot 24) / 7 - (7 \cdot 24) / 24$$

$$48 - 7$$

$$41$$

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Question 135

$\angle ACB$ is an angle in the semicircle of diameter $AB = 5$ and $AC : BC = 3 : 4$. The area of the triangle ABC is

A 6.5 sq. cm

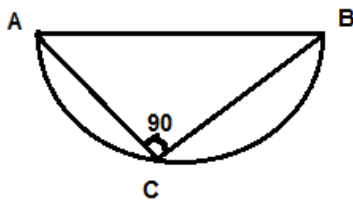
B 4 sq. cm

C 12 sq. cm

D 6 sq. cm

Answer: D

Explanation:



As shown in above diagram,

$\triangle ABC$ is a right angle triangle because angle subtended in semicircle is a right angle

$AB = 5 \text{ cm}$,

$AC : BC = 3 : 4$, or $AC = 3 \text{ cm}$, $BC = 4 \text{ cm}$

$$\text{Area of } \triangle ABC = \frac{1}{2} \times AC \times BC = 6 (\text{cm})^2$$

Question 136

A, B and C are three points on a circle such that the angles subtended by the chords AB and AC at the centre O are 90° and 110° respectively. Further suppose that the centre 'O' lies in the interior of $\angle BAC$. The $\angle BAC$ is

A 40°

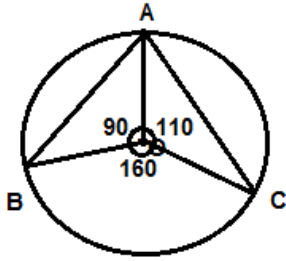
B 80°

C 160°

D 20°

Answer: B

Explanation:



As per the given condition,

$$\angle AOB = 90^\circ, \angle AOC = 110^\circ$$

$$\text{Thus } \angle BOC = 360 - 90 - 110 = 160$$

$$\angle BAC = \frac{\angle BOC}{2} = 80^\circ \text{ (B)}$$

Question 137

If the lengths of the sides AB, BC and CA of a triangle ABC are 10 cm, 8 cm and 6 cm respectively and if M is the mid - point of BC and MN \parallel AB to cut AC at N, then the area of the trapezium ABMN is equal to

A 30 sq. cm.

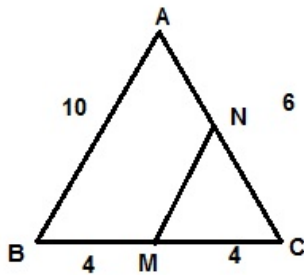
B 20 sq. cm.

C 12 sq. cm.

D 16 sq. cm.

Answer: A

Explanation:



$$\triangle MNC \sim \triangle ABC$$

$$\frac{MN}{AB} = \frac{MC}{BC}$$

$$\frac{MN}{10} = \frac{4}{8}$$

$$MN = 5 \text{ cm}$$

$$\text{Area of trapezium ABMN} = \frac{AB + MN}{2} \times 4$$

$$\text{Area} = 30 \text{ square cm}$$

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Question 138

A type of graph in which a circle is divided into sectors such that each sector represents a proportion of the whole is a

- A Line graph
- B Stem and leaf chart
- C Bar graph
- D Pie chart

Answer: D

Explanation:



This is a Pie Chart

Question 139

The value of x which satisfies the equation $2 \csc^2 30^\circ + x \sin^2 60^\circ - \frac{3}{4} \tan^2 30^\circ = 10$ is

- A 2
- B 3
- C 0
- D 1

Answer: B

Explanation:

Remember that
 $\sin 60^\circ = \frac{\sqrt{3}}{2}$
 $\operatorname{cosec} 30^\circ = \frac{1}{\sin 30^\circ} = \frac{1}{(1/2)} = 2$
 $\tan 30^\circ = \frac{1}{\sqrt{3}}$

the given equation becomes

$$2 \cdot (2^2) + \frac{3}{4}x - \frac{3}{4} \left(\frac{1}{3}\right) = 10$$

$$8 + \frac{3}{4}x - \frac{1}{4} = 10$$

multiply by 4

$$32 + 3x - 1 = 40$$

$$3x = 9$$

$$x = 3$$

Question 140

If $2 \sin \theta + \cos \theta = \frac{7}{3}$ then the value of $(\tan^2 \theta - \sec^2 \theta)$ is

- A 0
- B -1
- C $\frac{3}{7}$
- D $\frac{7}{3}$

Answer: B

Explanation:

$$\tan^2 \theta - \sec^2 \theta$$

$$\Rightarrow -(\sec^2 \theta - \tan^2 \theta)$$

$$\Rightarrow -1 \text{ because } \sec^2 \theta - \tan^2 \theta = 1$$

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Question 141

From a point 20 m away from the foot of a tower, the angle of elevation of the top of the tower is 30° . The height of the tower is

- A $10\sqrt{3}$ m
- B $20\sqrt{3}$ m
- C $\frac{10}{\sqrt{3}}$ m
- D $\frac{20}{\sqrt{3}}$ m

Answer: D

Explanation:

Perpendicular AB = height of tower

Base BC = distance b/w base of tower and the point

Hypotenuse AC = segment b/w top of the tower and the point

Angle of elevation $\angle ACB = 30^\circ$

$$\tan 30^\circ = \frac{\text{Perpendicular}}{\text{Base}} = \frac{1}{\sqrt{3}}$$

$$\text{Perpendicular} = \text{Base} \times \frac{1}{\sqrt{3}}$$

Base is 20 m.

So height of tower is $20/\sqrt{3}$ m.

Question 142

If $29 \tan \theta = 31$, then the value of $\frac{1+2\sin\theta\cos\theta}{1-2\sin\theta\cos\theta}$

- A 810
- B 900
- C 540
- D 490

Answer: B

Explanation:

$$29 \tan \theta = 31$$

$$\sin \theta / \cos \theta = 31/29$$

by C.D rule,

$$\frac{\sin \theta + \cos \theta}{\sin \theta - \cos \theta} = \frac{31+29}{31-29} = \frac{60}{2} = 30$$

now,

$$\frac{1+2\sin\theta\cos\theta}{1-2\sin\theta\cos\theta}$$

$$= \frac{\sin^2\theta + \cos^2\theta + 2\sin\theta\cos\theta}{\sin^2\theta + \cos^2\theta - 2\sin\theta\cos\theta}$$

$$= \frac{(\sin\theta + \cos\theta)^2}{(\sin\theta - \cos\theta)^2}$$

$$= 30^2$$

$$= 900.$$

so the answer is option B.

Question 143

The categories of qualitative variables are represented by bars where the height of each bar is

- A Class frequency
- B Class percentage
- C Class relative frequency
- D All of the above

Answer: D

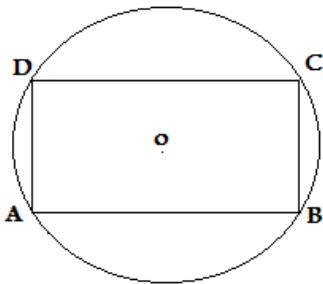
Explanation:

The categories of qualitative variables are represented by bars where the height of each bar may be class frequency, class percentage and class relative frequency.

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Question 144

In a cyclic quadrilateral $\angle A + \angle C = \angle B + \angle D = ?$

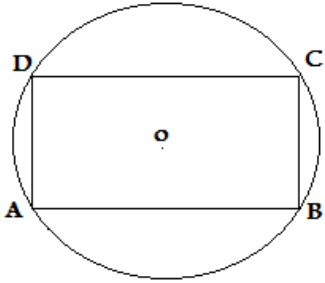


- A 270°
- B 360°

- C 90°
- D 180°

Answer: D

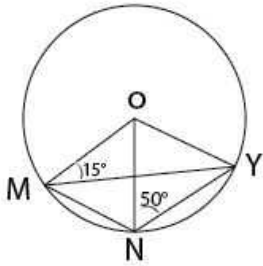
Explanation:



Sum of opposite angle of cyclic quadrilateral is 180° (D)

Question 145

In the given figure, $\angle ONY = 50^\circ$ and $\angle OMY = 15^\circ$. Then the value of the $\angle MON$ is



- A 30°
- B 40°
- C 20°
- D 70°

Answer: D

Explanation:

Let, MY and ON intersect at point Z.

As, $OM = OY$, their opposite angles must be equal. $\angle OMY = \angle OYM = 15$. Hence, $\angle MOY = 180 - 15 - 15 = 150$.

Also, $ON = OY$, their opposite angles must be equal. $\angle ONY = \angle OYN = 50$. Hence, $\angle ZYN = \angle OYN - \angle ONM = 50 - 15 = 35$.

So, $\angle NZY = 180 - 50 - 35 = 95$.

So, $\angle OZY = 180 - 95 = 85$

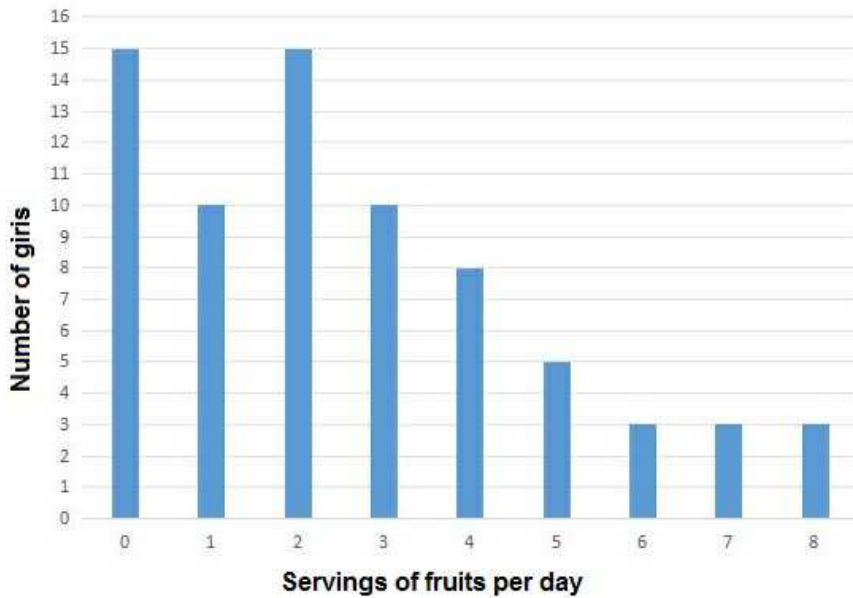
So, $\angle ZOY = 180 - 85 - 15 = 80$.

As we already got that, $\angle MOY = 150$, now $\angle MON = \angle MOY - \angle ZOY = 150 - 80 = 70$.

Instructions

The distribution of fruit consumption in a sample of 72 seventeen – year – old girls is given in the graph below. Study the graph and answer the questions.

Distribution of fruit consumption



Question 146

How many of these girls ate fewer than two servings per day ?

- A 15
- B 40
- C 25
- D None of these

Answer: C

Explanation:

No. of girls who ate fewer than 2 servings a day = (No. of girls who ate 0) + (No. of girls who ate 1)
 $= 15 + 10 = 25$

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Question 147

What percent of these girls ate six or more servings per day ?

- A 12.5%
- B 13%
- C 10%
- D 11%

Answer: A

Explanation:

No. of girls who ate 6 or more servings per day = $3+3+3 = 9$

Total girls = 72

\Rightarrow Required % = $\frac{9}{72} * 100 = 12.5\%$

Question 148

How many of these girls ate more than two servings but less than six servings per day ?

- A 26
- B 18
- C 23
- D 38

Answer: C

Explanation:

No. of girls who ate more than 2 but less than 6 servings per day
 = (No. of girls who ate 3) + (No. of girls who ate 4) + (No. of girls who ate 5)
 = 10+8+5 = 23

Instructions

For the following questions answer them individually

Question 149

The following pie-chart shows the monthly expenditure of a family on food, clothing, rent, miscellaneous expenses and savings. What is the central angle for savings ?



- A 54°
- B 56°
- C 50°
- D 52°

Answer: A

Explanation:

Central angle of a circle = 360°

Now, central angle for :

food = 108°

rent = 90°

clothing = 36°

misc = 72°

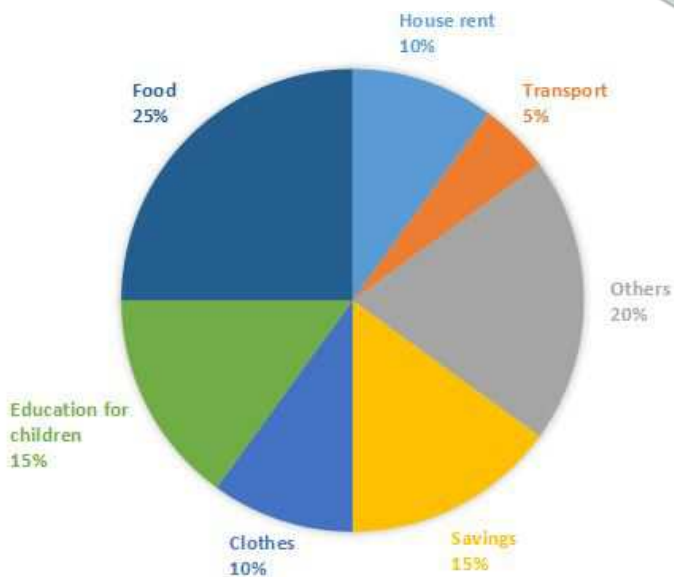
$$\Rightarrow \text{Central angle for savings} = 360^\circ - (108^\circ + 90^\circ + 36^\circ + 72^\circ)$$

$$= 360^\circ - 306^\circ = 54^\circ$$

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Question 150

The pie - chart gives the expenditure (in percentage) on various items and savings of a family during a month. Monthly savings of the family is 3,000. On which item is the expenditure maximum and how much is it ?



- A Others, 2,000
- B Food, 3,000
- C Others, 5,000
- D Food, 5,000

Answer: D

Explanation:

Monthly savings = 3000

% savings = 15%

$$\Rightarrow \text{Total expenditure} = \frac{3000}{15} * 100 = 20,000$$

Now, expenditure on :

$$\text{House rent} = \frac{10}{100} * 20,000 = 2,000$$

$$\text{Transport} = \frac{5}{100} * 20,000 = 1,000$$

$$\text{Others} = \frac{20}{100} * 20,000 = 4,000$$

$$\text{Clothes} = \frac{10}{100} * 20,000 = 2,000$$

$$\text{Education} = \frac{15}{100} * 20,000 = 3,000$$

$$\text{Food} = \frac{25}{100} * 20,000 = 5,000 \text{ [MAX]}$$

\Rightarrow Expenditure on food is maximum = 5,000

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English

Instructions

In the following questions, some parts of the sentences have errors and some are correct. Find out which part of a sentence has an

error. The number of that part is the answer. If a sentence is free from error, your answer is d) i.e. No error.

Question 151

The new device (a)/ aims at eliminating (b)/ the risk of short - circuiting. (c) / No error (d)

- A The new device
- B aims at eliminating.
- C the risk of short - circuiting
- D No error

Answer: C

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Question 152

I wish to heartily (a)/ congratulate you for (b)/ your astounding success, (c)/No error (d)

- A I wish to heartily a
- B congratulate you for
- C your astounding success
- D No error

Answer: B

Question 153

The visitor took the vacant seat (a)/ next from mine (b)/ one of the many huge sofas in the room. (c)/ No error (d)

- A The visitor took the vacant seat
- B next from mine
- C one of the many huge sofas in the room
- D No error

Answer: B

Question 154

He was (a)/ a learnt man among lords, (b)/ and a lord among learned men. (c)/No error (d)

- A He was
- B a learnt man among lords
- C and a lord among learned men
- D No error

Answer: B

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Question 155

With our great annoyance (a)/ we found the ground (b)/ filled with broken glasses. (c)/ No error (d)

- A With our great annoyance
- B we found the ground
- C filled with broken glasses
- D No error

Answer: A

Instructions

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

Question 156

Her true feelings manifested themselves in her sarcastic remarks, only then was her.....revealed.

- A sarcasm
- B charm
- C sweetness
- D bitterness

Answer: D

Question 157

The book provides an overview of European wines that should prove inviting to both the virtual..... and the experienced connoisseur.

- A zealot
- B glutton
- C prodigal
- D novice

Answer: D

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Question 158

The sun is shining brightly, please..... the light.

- A take off
- B put on
- C put off
- D put out

Answer: D

Question 159

This practice was broughtto prevent certain abuses.

- A down
- B off
- C about
- D in

Answer: D

Question 160

This package was supposedyesterday.

- A to be delivering
- B not to be delivered
- C to have been delivered
- D to deliver

Answer: B

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Instructions

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

Question 161

Garble

- A Confuse
- B Hide
- C Communicate
- D Explain

Answer: A

Question 162

Pinnacle

- A Capsule
- B Heart
- C Summit
- D Pit

Answer: C

Question 163

Brutalize

- A Stir
- B Ill-treat
- C Devise
- D Strike

Answer: B

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Instructions

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

Question 164

Denounce

- A Signify
- B Confirm
- C Grant
- D Praise

Answer: D

Question 165

Cease

- A Abandon
- B Initiate
- C Confront
- D Confiscate

Answer: B

Question 166

Seamy

- A Honest
- B Pure
- C Unpleasant
- D Sincere

Answer: B

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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 167

The secretary's **thoughtless remark** added fuel to the fire .

- A added humour to the situation
- B worsened the difficult situation
- C helped in improving the situation
- D prevented the situation

Answer: B

Question 168

He could not get money from his master because he **rubbed him up the wrong way** .

- A irked or irritated him
- B asked him to speed up
- C suggested a wrong method
- D advised him to be strict 168.

Answer: A

Question 169

Ask Mr. Das. He can give you all the news you need : he is always **in the swim** .

- A giving news to others
- B at the swimming pool
- C in search of news
- D well-informed and up-to-date

Answer: D

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Question 170

You have been trying to solve this puzzle for a long time, be careful so that you avoid **barking up the wrong tree** .

- A trying to solve problems
- B trying to find something at a wrong place
- C keep working constantly
- D climbing the wrong tree

Answer: B

Question 171

I'll be able to do my job very well when I know the ropes.

- A become bolder
- B work in silence
- C learn the procedures
- D gain confidence

Answer: C

Instructions

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

Question 172

Ram filled ink into his pen before leaving for school.

- A filled ink in his pen
- B filled ink on his pen
- C filled his pen with ink
- D No improvement

Answer: C

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Question 173

The toys he bought for Suzy are too good to be cheap.

- A are so much good to be cheap
- B were so good to be cheap
- C are so good that to be cheap
- D No improvement

Answer: D

Question 174

I did one mistake in the dictation test today.

- A I made a mistake in
- B I did a mistake at
- C I did a mistake in
- D No improvement

Answer: A

Question 175

John has been detained at a meeting.

- A by the meeting
- B in meeting
- C on a meeting
- D No improvement

Answer: D

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Question 176

The butler was as devoted as a faithful dog.

- A a faithful cat
- B a faithful friend
- C a faithful pet
- D No improvement

Answer: D

Question 177

The government representative furnished the reporters all details.

- A provided the reporters all details
- B furnished the reporters with all the details
- C furnished reporters all details
- D No improvement

Answer: B

Question 178

It was raining so heavily yesterday that I could not move out for my usual walk.

- A I could not go out for my usual walk
- B I could not go to my usual walk
- C I could not move for my usual walk
- D No improvement

Answer: A

Question 179

There is an error in grammar in this sentence.

- A a written error
- B a grammatical error
- C a grammar error
- D No improvement

Answer: B

Question 180

He denied that he had not forged my signature.

- A would not forge
- B did not forge
- C had forged
- D No improvement

Answer: C

Question 181

To his astonishment and admiration he got the information that it was only the picture of a curtain.

- A found
- B received the information
- C saw clearly
- D No improvement

Answer: B

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Instructions

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

Question 182

Study of caves

- A Speleology
- B Seismology
- C Topology
- D Numismatics

Answer: A

Question 183

Government by the few

- A Oligarchy
- B Autocracy
- C Monarchy
- D Anarchy

Answer: A

Question 184

Materials that change naturally by the action of bacteria

- A Inflammable
- B Perishable
- C Biological
- D Biodegradable

Answer: D

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Question 185

Having a stale smell or taste

- A Rancid
- B Insipid
- C Savoury
- D Tepid

Answer: A

Question 186

A wooden object used for connecting animals that are pulling a vehicle

- A Rein
- B Leash
- C Whip
- D Yoke

Answer: D

Question 187

A man who knows a lot about things like food, music and art

- A Priest
- B Optimist
- C Hostage
- D Connoisseur

Answer: D

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Question 188

A doctor who specializes in diseases of the nose

- A Rhinologist
- B Otologist
- C Pathologist
- D Podiatrist

Answer: A

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 189

- A Inteligibely
- B Inteligibillity
- C Intelligibility
- D Inteligibility

Answer: C

Question 190

- A Exterpate
- B Extirpeit
- C Extirpate
- D Extripaite

Answer: C

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Instructions

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

A crucial element that defines the soap opera is the open ended nature of the narrative, with stories spanning several episodes. One of the defining features that makes a television program a soap opera, according to Albert Moran is "that form of television that works with a continuous open narrative. Each episode ends with a promise that the storyline is to be continued in another episode."

In 2012, Robert Lloyd of the Los Angeles Times wrote of daily dramas, "Although melodramatically eventful, soap operas such as this also have a luxury of space that makes them seem more naturalistic, indeed, the economics of the form demand long scenes, and conversations that a 22- episodes-per – season weekly series might dispense with in half a dozen lines of dialogue may be drawn out, as here, for pages. You spend more time even with the minor characters, the apparent villains grow less apparently villainous."

Soap opera storylines run concurrently, intersect and lead into further developments. An individual episode of a soap opera will generally switch between several different concurrent narrative threads that may at times interconnect and effect one another or may run entirely independent of each other. Evening soap operas and serials that run for only a part of the year tend to bring things to a dramatic end of season cliffhanger.

Question 191

A soap opera has the space for it to be more

- A artistic
- B naturalistic
- C dramatic
- D tragic

Answer: B

Question 192

The economics of a soap opera form demands for it to have

- A long scenes
- B luxurious space
- C melodramatic events
- D promising storylines

Answer: A

Question 193

An individual episode of a soap opera generally switches between

- A more time spent with minor characters.
- B apparent villains that grow less apparent villainous.
- C successive intersections of events.
- D different concurrent narrative threads.

Answer: D

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Question 194

Soap operas that run for a part of the year usually end in

- A a cliff

- B an episode
- C a cliffhanger
- D a sequence

Answer: C

Question 195

What does the author mean by the open - ended nature of soap operas ?

- A Each episode ends with a promise that the storyline is to be continued in another episode
- B Every episode has a different story
- C Every episode ends abruptly
- D Consecutive episodes have no connection

Answer: A

Instructions

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

Two or three days and nights went by; I reckon I might say they swum by, they slid along so quiet and smooth and lovely. Here is the way we put it in the time. It was a monstrous big river down there sometimes a mile and a half wide; we ran nights, and laid up and hid daytimes; soon as night was most gone we stopped navigating and tied up – nearly always in the dead water under a towhead; and then cut young cottonwoods and willows, and hid the raft with them. Then we set out the lines. Next we slid into the river and had a swim, so as to freshen up and cool off; then we set down on the sandy bottom where the water was about knee deep and watched the daylight come. Not a sound anywhere – perfectly still just like the whole world was asleep only sometimes the bullfrogs a cluttering maybe.

The ,first thing to see, looking away over the water was a kind of dull line – that was the woods on U other side; you couldn't make nothing else out; then a pale place in the sky; then more paleness spreading around; then the river softened up away off, and wasn't black any more, but gray; you could see little dark spots drifting along ever so far away – trading scows and such things and long black streaks – rafts; sometimes you could hear a sweep creaking or jumbled up voices, it was so still and sounds come so far and by and by you could see a streak on the water which you know by the look of the streak that there's a snag there in a swift current which breaks on it and makes that streak look that way.

Question 196

They stopped navigating

- A at night
- B at dusk
- C at daytime
- D at dawn

Answer: A

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Question 197

After a swim in the moor they

- A set down on the sandy bottom where the water was about ankle deep and watched the daylight come.

set down on the sandy bottom where the water was about knee deep and
B watched the daylight come.

C set down on the sandy shore and watched the daylight come.

D set down on the sandy bottom and watched the daylight come.

Answer: B

Question 198

In the stillness of the night

A sounds come so far

B the bullfrogs also were asleep

C the whole world was asleep

D a sweep creaking or jumbled up voices could be heard

Answer: C

Question 199

The streak on the water looks as it does because

A the swift current has broken the streak

B the streak has been swept by the swift current to the shore.

C of a snag there in the swift current which breaks on it.

D the streak has been swept by the swift current.

Answer: C

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Question 200

How did the days and nights go by, according to the writer?

A They slid along so quiet and smooth and lovely.

B They slid along so smooth and quietly.

C They slid along so smooth and soft and quietly.

D They slid along so quietly and smooth and softly.

Answer: A

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