



SSC CHSL 15 November 2015 Morning Shift

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Reasoning

Instructions

Select the related word/letters/number from the given alternatives.

Question 1

School : Teacher :: Bank : ?

- A Cashier
- B Manager
- C Banker
- D Peon

Answer: C

Explanation:

Teachers are the focal point of a school, similarly bankers are the main part of a bank.

=> Ans - (C)

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Question 2

Exercise : Gym : Eating : ?

- A Dieting
- B Restaurant
- C Food
- D Fitness

Answer: B

Explanation:

We do exercise in a gym and eat in a restaurant.

=> Ans - (B)

Question 3

JKPO : LMNM :: PQJI : ?

- A RGHS
- B GRHS
- C SHRG
- D RSHG

Answer: D

Explanation:

Expression = JKPO : LMNM :: PQJI : ?

The pattern followed is :

J	K	P	O
(+2)	(+2)	(-2)	(-2)
L	M	N	M

Similarly, for PQJI :

P	Q	J	I
(+2)	(+2)	(-2)	(-2)
R	S	H	G

=> Ans - (D)

Question 4

7: 42 :: 8 : ?

A 45

B 49

C 56

D 50

Answer: C

Explanation:

Expression = 7: 42 :: 8 : ?

The pattern followed is = $n : n^2 - n$

Eg :- 7 : $(7^2 - 7) = 7 : 42$

Similarly, $(8)^2 - 8 = 64 - 8 = 56$

=> Ans - (C)

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Question 5

49 : 343 :: 64 : ?

A 514

B 634

C 486

D 512

Answer: D

Explanation:

Expression = 49 : 343 :: 64 : ?

The pattern followed is = $n^2 : n^3$

Eg :- $7^2 : 7^3 = 49 : 343$

Similarly, $64 = 8^2$

=> $(8)^3 = 512$

=> Ans - (D)

Question 6

Patient : Flower bed :: ?

- A Necklace : Adornment
- B Trophy : Achievement
- C Bady : Cradle
- D Certificate : Merit

Answer: C

Explanation:

A patient lies in a flower bed, similarly a baby in a cradle.

=> Ans - (C)

Question 7

VVXY : RRTU :: FFHI : ?

- A UUVZ
- B XXYB
- C SSUV
- D CCDF

Answer: C

Explanation:

VV (+2 letters) = X (+1 letter) = Y

RR (+2 letters) = T (+1 letter) = U

FF (+2 letters) = H (+1 letter) = I

Similarly, SS (+2 letters) = U (+1 letter) = V

=> Ans - (C)

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Question 8

QPOR : XWVY : LKJM : ?

- A SRQT
- B CBAD
- C FHGI
- D DEGF

Answer: A

Explanation:

Expression = QPOR : XWVY : LKJM : ?

The pattern followed is :

Q	P	O	R
(+7)	(+7)	(+7)	(+7)
X	W	V	Y

Similarly, for LKJM :

L	K	J	M
(+7)	(+7)	(+7)	(+7)
S	R	Q	T

=> Ans - (A)

Question 9

7 : 77 :: ?

- A 3 : 81
- B 11 : 143
- C 6 : 24
- D 8 : 64

Answer: B

Explanation:

Expression = 7 : 77 :: ?

As, $7 \times 11 = 77$

Product of 2 consecutive prime numbers.

Similarly, $11 \times 13 = 143$

=> Ans - (B)

Instructions

Find the odd word/number/letters/number pair from the given alternatives.

Question 10

- A IK
- B PN
- C BD
- D SU

Answer: B

Explanation:

(A) : I (+2 letters) = K

(B) : P (-2 letters) = N

(C) : B (+2 letters) = D

(D) : S (+2 letters) = U

=> Ans - (B)

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Question 11

- A RIM
- B NOKIA
- C BSNL
- D MTS

Answer: B

Explanation:

Nokia is the manufacturer of mobile phones, while all others are telecommunication service providers.

=> Ans - (B)

Question 12

- A 6578
- B 7689
- C 3245
- D 4367

Answer: D

Explanation:

Difference between first half and second half of the numbers :

(A) : $6578 \equiv 78 - 65 = 13$

(B) : $7689 \equiv 89 - 76 = 13$

(C) : $3245 \equiv 45 - 32 = 13$

(D) : $4367 \equiv 67 - 43 = 24$

=> Ans - (D)

Question 13

- A 16 : 128
- B 13 : 117
- C 12 : 96
- D 15 : 120

Answer: B

Explanation:

When second number is divided by first, we get :

(A) : $\frac{128}{16} = 8$

(B) : $\frac{117}{13} = 9$

(C) : $\frac{96}{12} = 8$

(D) : $\frac{120}{15} = 8$

=> Ans - (B)

Question 14

- A Helicopter
- B Aero plane
- C Sub-marine
- D Rocket

Answer: C

Explanation:

Only submarine is operated under water, other three fly in the air.

=> Ans - (C)

Question 15

- A Gear
- B Engine
- C Fuel
- D Horn

Answer: C

Explanation:

Fuel is necessary to run an engine. Engine, gear and horn are parts of a vehicle.

=> Ans - (C)

Question 16

- A 81 : 9
- B 42 : 2
- C 24 : 6
- D 54 : 17

Answer: D

Explanation:

Except in the pair 54-17, in all other pairs, the first number is multiple of second number.

=> Ans - (D)

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Question 17

- A KXNY
- B CNPT
- C DKRY
- D FB JL

Answer: C

Explanation:

(A) : K (+3 letters) = N (+10 letters) = X (+1 letter) = Y

(B) : C (+11 letters) = N (+2 letters) = P (+4 letters) = T

(C) : D (+7 letters) = K (+7 letters) = R (+7 letters) = Y

(D) : F (-4 letters) = B (+8 letters) = J (+2 letters) = L

=> Ans - (C)

Question 18

A UXeN

B FoMY

C DkUZ

D LPuB

Answer: A

Explanation:

Except in the letter group UXeN, in all others, there is only one vowel. In UXeN, there are 2 vowels.

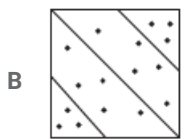
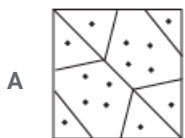
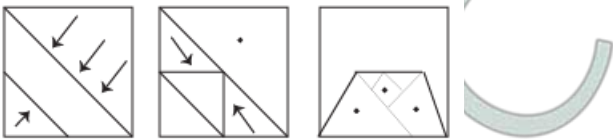
=> Ans - (A)

Instructions

For the following questions answer them individually

Question 19

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



Answer: B

Instructions

A series is given, with one from missing, Choose the correct alternative from the given ones that will complete the series.

Question 20

OTE, PUF, QVG, RWH, ?

- A SXI
- B TXI
- C SYJ
- D SXJ

Answer: A

Explanation:

Series : OTE, PUF, QVG, RWH, ?

The pattern followed in each letter of the terms is :

1st letter : O (+1 letter) = P (+1 letter) = Q (+1 letter) = R (+1 letter) = S

2nd letter : T (+1 letter) = U (+1 letter) = V (+1 letter) = W (+1 letter) = X

3rd letter : E (+1 letter) = F (+1 letter) = G (+1 letter) = H (+1 letter) = I

Thus, missing term = **SXI**

=> Ans - (A)

Question 21

16, 61, 25, 52, 36, 63, 49, ?

- A 36
- B 94
- C 72
- D 46

Answer: B

Explanation:

Series : 16, 61, 25, 52, 36, 63, 49, ?

In pairs of two, square of natural numbers and their reverse is written.

Eg :- 16 and 61, 25 and 52, 36 and 63

Similarly, reverse of 49 = **94**

=> Ans - (B)

Question 22

7, 18, 40, 73, 117, ?

- A 172
- B 150
- C 161
- D 183

Answer: A

Explanation:

Multiples of 11 are added.

$$7 + 11 = 18$$

$$18 + 22 = 40$$

$$40 + 33 = 73$$

$$73 + 44 = 117$$

$$117 + 55 = \mathbf{172}$$

=> Ans - (A)

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Question 23

AFKPU, BGLQV, CHMRW, ??

A DINSX

B VQLGB

C KLMNO

D UVWXY

Answer: A

Explanation:

Series : AFKPU, BGLQV, CHMRW, ??

The pattern followed in each letter of the terms is :

1st letter : A (+1 letter) = B (+1 letter) = C (+1 letter) = D

2nd letter : F (+1 letter) = G (+1 letter) = H (+1 letter) = I

3rd letter : K (+1 letter) = L (+1 letter) = M (+1 letter) = N

4th letter : P (+1 letter) = Q (+1 letter) = R (+1 letter) = S

5th letter : U (+1 letter) = V (+1 letter) = W (+1 letter) = X

Thus, missing term = **DINSX**

=> Ans - (A)

Question 24

3, 5, 9, 15, 23, 33, 45, 59, ?

A 81

B 72

C 60

D 75

Answer: D

Explanation:

Multiples of 2 are added.

$$3 + 2 = 5$$

$5 + 4 = 9$

$9 + 6 = 15$

$15 + 8 = 23$

$23 + 10 = 33$

$33 + 12 = 45$

$45 + 14 = 59$

$59 + 16 = 75$

=> Ans - (D)

Instructions

For the following questions answer them individually

Question 25

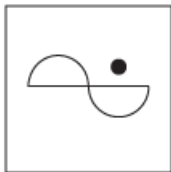
Find water image of:



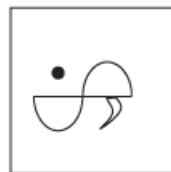
A



B



C



D



Answer: A

Explanation:

In the water image,

The facing of the figure to the top and bottom direction changes to the opposite direction in the mirror image (top facing changes to bottom and vice versa). There won't be change in left and right direction. There won't be change in shape of the figure.

The black dot which is bottom left of the line will be top left of the line in water image.

∴ The water image of the given figure is



Hence, the correct answer is Option A

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Question 26

If the given interchanges are made in signs and numbers, which one of the following equation is true ?
(Signs : \div and $+$, Number : 6 and 5)

A $90 + 5 \div 6 = 8.6$

B $18 + 6 \div 5 = 9.6$

C $26 \div 5 + 6 = 6.4$

D $5 \div 6 + 80 = 5.8$

Answer: B

Explanation:

(A) : $90 + 5 \div 6 = 8.6$

$\equiv 90 \div 6 + 5 = 8.6$

L.H.S. = $15 + 5 = 20 \neq 8.6$

(B) : $18 + 6 \div 5 = 9.6$

$\equiv 18 \div 5 + 6 = 9.6$

L.H.S. = $3.6 + 6 = 9.6 = \text{R.H.S.}$

=> Ans - (B)

Instructions

From the given alternatives words, select the word which cannot be formed using the letters of the given word:

Question 27

METAPHYSICS

A TEAMS

B HEATS

C PESTS

D SEEMS

Answer: D

Explanation:

The word 'METAPHYSICS' contains only '1 E', thus the word *seems* cannot be formed.

=> Ans - (D)

Question 28

RAILWAYSTATION

- A NOTARY
- B STORY
- C OSTITIS
- D STAIR

Answer: C

Explanation:

The word 'RAILWAYSTATION' contains only '1 S', thus the word *ostitis* cannot be formed.

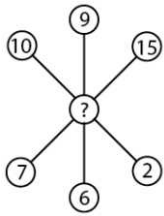
=> Ans - (C)

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Instructions

A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

Question 29



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

Answer: C

Explanation:

Sum of numbers in the vertical line is same.

$$10 + 7 = 17 \text{ and } 15 + 2 = 17$$

$$\text{Similarly, } 9 + x + 6 = 17$$

$$\Rightarrow x = 17 - 15 = 2$$

=> Ans - (C)

Question 30

65	77	87
21	?	21
44	55	66

- A 21
- B 23
- C 22

D 20

Answer: C

Explanation:

In each column, the first number is equal to the sum of remaining two numbers.

Eg :- $21 + 44 = 65$

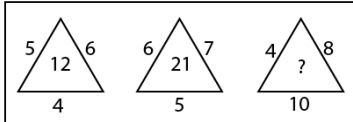
and $21 + 66 = 87$

Similarly, $55 + x = 77$

$\Rightarrow x = 77 - 55 = 22$

\Rightarrow Ans - (C)

Question 31



A 22

B 14

C 320

D 32

Answer: D

Explanation:

Numbers on the edges of the triangle are multiplied and then divided by 10.

Eg :- $5 \times 6 \times 4 = 120 \div 10 = 12$

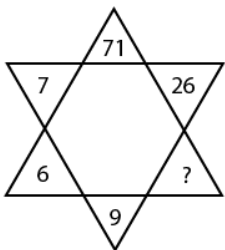
and $6 \times 7 \times 5 = 210 \div 10 = 21$

Similarly, $4 \times 8 \times 10 = 320 \div 10 = 32$

\Rightarrow Ans - (D)

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Question 32



A 35

B 42

C 39

D 49

Answer: C

Explanation:

The pattern on diagonal elements followed is :

$$(9)^2 - 10 = 81 - 10 = 71$$

$$\text{and } (6)^2 - 10 = 36 - 10 = 26$$

$$\text{Similarly, } (7)^2 - 10 = 49 - 10 = 39$$

=> Ans - (C)

Instructions

For the following questions answer them individually

Question 33

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

 aabb a ab b

A b a b a

B b b a a

C a b a b

D a b b b

Answer: C

Explanation:

Expression : aabb a ab b

The pattern followed is that in set of 3, the terms 'aaa' and 'bbb' are alternatively repeated.

= aaa bbb aaa bbb

=> Ans - (C)

Question 34

In a certain code MISCHIEF is written as NKVGMOLN, then how is RELIEVED written in that code ?

A SFMJFWFE

B SEOIJVLD

C SGOMJBLL

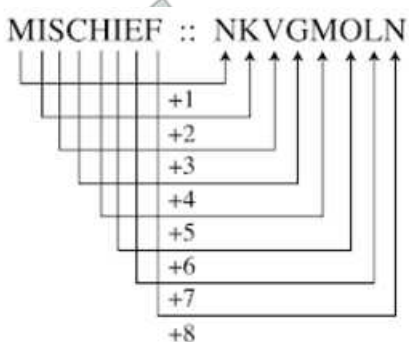
D SGOMJVED

Answer: C

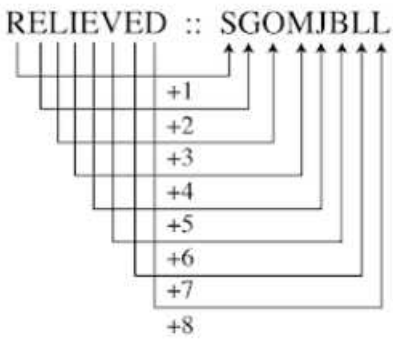
Explanation:

MISCHIEF is written as NKVGMOLN

The pattern followed is :



Similarly, for RELIEVED : SGOMJBLL



=> Ans - (C)

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Question 35

Arrange the following words as per their order in Dictionary.

1. Cinnabar
2. Cinder
3. Cinema
4. Cinnamon
5. Cinchoina

A 4, 1, 5, 2, 3

B 5, 2, 1, 4, 3

C 2, 3, 5, 4, 1

D 5, 2, 3, 1, 4

Answer: D

Explanation:

As per the order of dictionary :

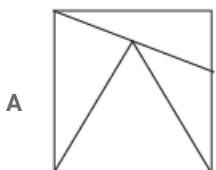
= Cinchoina -> Cinder -> Cinema -> Cinnabar -> Cinnamon

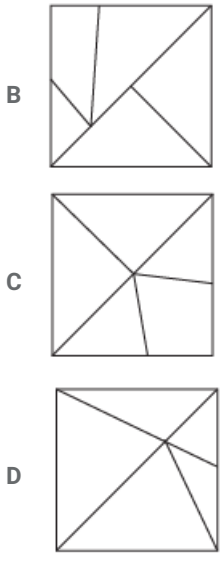
≡ 5, 2, 3, 1, 4

=> Ans - (D)

Question 36

Identify the answer figure from which the pieces given in the question figure have been cut.



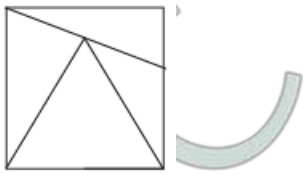


Answer: A

Explanation:

The number of pieces in the second, third and fourth of the answer figures is 5 but the question figure contains only 4 pieces which is cut from the first figure.

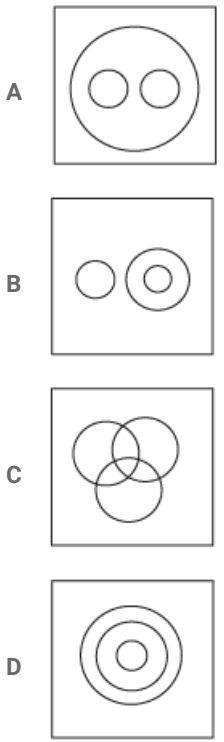
∴ The answer figure from which the pieces given in the question figure have been cut is



Hence, the correct answer is Option A

Question 37

Which one set of the following diagrams best depicts the relationship among :
Plant, Animal, Deer

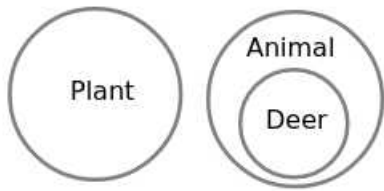


Answer: B

Explanation:

Plant and Animal are different living organisms and Deer is an Animal.

∴ The diagram that best represents the relationship between the given classes is

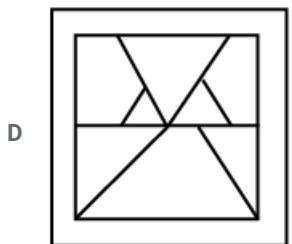
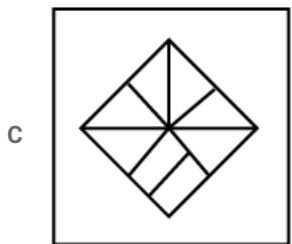
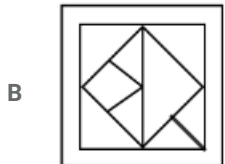
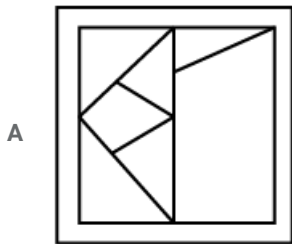
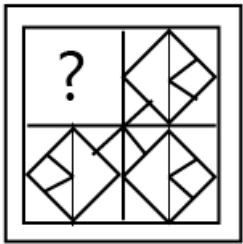


Hence, the correct answer is Option B

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Question 38

Which answer figure will complete the pattern in the question figure ?

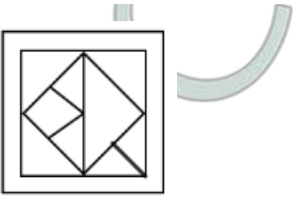


Answer: B

Explanation:

The required figure is also a square with diagonal like other three parts of the figure.

∴ The answer figure will complete the pattern in the question figure is



Hence, the correct answer is Option B

Question 39

If two days back it was 9th November 2014 and it was a Sunday, then tomorrow will be ?

- A 12th November 2014, Tuesday
- B 12th November 2014, Thursday
- C 13th November 2014, Wednesday
- D 12th November 2014, Wednesday

Answer: D

Explanation:

If two days back it was 9th November 2014 and it was Sunday.

Then, today is 11th November = Tuesday.

So, tomorrow will be on 12th November = Wednesday.

=> Ans - (D)

Question 40

On arranging Atomic Age, Metallic Age, Stone Age, Alloy Age in a meaningful order (starting from the earliest) which would appear in the 3rd position ?

- A Stone Age
- B Metallic Age
- C Alloy Age
- D Atomic Age

Answer: C

Explanation:

The meaningful order is :

= Stone Age -> Metallic Age -> Alloy Age -> Atomic Age

Thus, *alloy age* would appear in the 3rd position.

=> Ans - (C)

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Instructions

One/Two statements is/are given each followed by two assumption. I and II. Yes have to consider the statement to be true even if they seem to be at variance from commonly known facts. You have to decide which of the assumptions, if any, follows from the given statements.

Question 41

Statement:

"There is very heavy traffic on the road between 5-7 p.m. We need to have a flower in this area." A planning engineer said in a meeting.

Assumption:

I-Heavy traffic should be regulated

II-Previous planning engineer did not do much about heavy traffic.

- A Only assumption I is implicit
- B Only assumption II is implicit
- C Both I & II are implicit
- D Neither I nor II are implicit

Answer: A

Explanation:

The given statement indicates about the heavy traffic and that it should be controlled, hence only assumption I is implicit. Regulation of traffic is required to ensure smooth traffic. We cannot assume the plans of previous engineers.

=> Ans - (A)

Question 42

Statement: The impact of economics sanctions on economy, that is already so weak could be devastating.

Assumption:

I. Economics sanctions impact only a weak economy.

II. The impact of economic sanctions varies from economy to economy.

- A Neither I nor II are implicit.
- B Both I and II are implicit.
- C Only II is implicit
- D Only I is implicit

Answer: C

Explanation:

From the statement, it is clear that the impact of economics sanctions on the weak economy could be devastating. So the impact of economics sanctions on the strong economy may or may not be devastating. So we cannot assume that economic sanctions impact only weaker economy. Hence Assumption I is not implicit.

It is very clear from the statement that impact of economic sanctions varies from economy to economy. Hence Assumption II is implicit.

Hence, the correct answer is Option C

Instructions

For the following questions answer them individually

Question 43

No Question

- A Latex1
- B Latex2
- C Latex3

D Latex4
Answer: E

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Question 44
No Question

A Latex1
B Latex2
C Latex3
D Latex4
Answer: E

Question 45
No Question

A Latex1
B Latex2
C Latex3
D Latex4
Answer: E

Question 46
No Question

A Latex1
B Latex2
C Latex3
D Latex4
Answer: E

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Question 47
No Question

A Latex1
B Latex2
C Latex3
D Latex4

Answer: E

Question 48

No Question

A Latex1

B Latex2

C Latex3

D Latex4

Answer: E

Question 49

No Question

A Latex1

B Latex2

C Latex3

D Latex4

Answer: E

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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 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, 12 etc., and 'N' can be represented by 56, 65 etc., Similarly you have to identify the set for the word 'DRAW'.

Matrix - I					
	0	1	2	3	4
0	D	O	B	A	I
1	O	B	A	I	D
2	B	A	I	D	O
3	A	I	D	O	B
4	I	D	O	B	A

Matrix - II					
	5	6	7	8	9
5	W	N	R	M	L
6	N	R	M	L	W
7	R	M	L	W	N
8	M	L	W	N	R
9	L	W	N	R	M

A 32, 75, 44, 76

B 14, 89, 12, 78

C 23, 57, 30, 68

D 41, 66, 23, 55

Answer: B

Explanation:

(A) : 32, 75, 44, 76 = DRAM

(B) : 14, 89, 12, 78 = **DRAW**

(C) : 23, 57, 30, 68 = DRAL

(D) : 41, 66, 23, 55 = DRDW

=> Ans - (B)

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English

Instructions

The 1st and the last part of sentence are numbered 1 and 6. The rest of the sentence is split into four parts and named. P, Q, R, and S. These four parts are not given in their proper order. Read the sentence and find out which of the four combinations is correct. Then find the correct answer and indicate it in the answer sheet.

Question 51

1. Right from

P. have been used as a measure of time

Q. prehistorical times

R. and have formed the basis of

S. the phases of the moon

6. the earliest calendar

A QRSP

B QSPR

C SRQP

D PRSQ

Answer: B

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Question 52

1. The internet is

P. a world wide network

Q. that should not be

R. regulated or censored

S. by any one country

6. Howsoever strong the temptation.

A PRSQ

B PQRS

C PRQS

D PSQR

Answer: B

Question 53

1. Without water

P. and consequently

Q. the oxygen content in the atmosphere

R. which carry out photosynthesis and release oxygen

S. there would be no animals or plants

6. would go down.

- A SPRQ
- B SRPQ
- C SPQR
- D PRQS

Answer: B

Question 54

1. In recent years

P. primarily because purchasing

Q. has grown more intense

R. price competition is most industries

S. managers now exert much influence

6. over suppliers.

- A SPRQ
- B RQPS
- C SRPQ
- D RSPQ

Answer: B

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Instructions

In the following passage some of the words have been left out. Read the passage carefully and choose the correct answer to each question out of the four alternative and fill in the blanks.

If you ____ (I) ____ to be free from all physical ache points, and enjoy perfect physical harmony, then put your mind in order and ____ (II) ____ your thoughts. Think joyful thoughts: think loving thoughts. Let the ____ (III) ____ of goodwill ____ (IV) ____ through your veins, and you will need no other medicine. ____ (V) ____ your jealousies, your suspicious, your worries, your hatred, your selfish sickness, your ____ (VI) ____ and ____ (VII) ____, If you will ____ (VIII) ____ clinging to these ____ (IX) ____ and demoralising habits of mind, then do not complain when your body is ____ (X) ____ sickness.

Question 55

- A (I) want
- B (I) will
- C (I) can
- D (I) would

Answer: A

Question 56

- A (II) regularize
- B (II) co-ordinate
- C (II) harmorize

D (II) regulate

Answer: E

Question 57

A (III) sweetness

B (III) potion

C (III) elixir

D (III) generosity

Answer: E

Question 58

A (IV) gather

B (IV) course

C (IV) run

D (IV) race

Answer: E

Question 59

A (V) disard

B (V) east away

C (V) ignore

D (V) throw off

Answer: E

Question 60

A (VI) confidence

B (VI) worries

C (VI) nervousness

D (VI) happiness

Answer: E

Question 61

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- A (VII) mercy
- B (VII) joy
- C (VII) despair
- D (VII) paining

Answer: E

Question 62

- A (VIII) persisting
- B (VIII) eare to
- C (VIII) continue to
- D (VII) indulge in

Answer: E

Question 63

- A (IX) good
- B (IX) unhealthy
- C (IX) worse
- D (IX) unruly

Answer: E

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Question 64

- A (X) lying with
- B (X) affected to
- C (X) laid low with
- D (X) laid up with

Answer: E

Instructions

Sentence 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 and indicate it by blackening the appropriate circle in the Answer Sheet.

Question 65

He agreed _____ my business proposal.

- A at
- B on

C to

D for

Answer: E

Question 66

All of us are devoted _____ one another.

A of

B at

C for

D to

Answer: E

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Question 67

_____ is the way to the zoo ?

A what

B when

C where

D which

Answer: E

Question 68

This area suffers from _____

A drafts

B droaghts

C drought

D draughts

Answer: E

Instructions

Choose the word opposite in meaning to the given word and mark it in the Answer Sheet.

Question 69

Grieve

A Moan

B Rejoice

C Sadness

D Agony

Answer: B

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Question 70

Enduring

A Unwavering

B Transient

C Abiding

D Transitory

Answer: E

Question 71

Flawless

A Deficient

B Sick

C Defective

D Seconds

Answer: E

Question 72

Obscure

A Enigma

B Distinguish

C Vague

D District

Answer: E

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Instructions

Out of the four alternatives, choose the one which best expresses the meaning of the given word and mark it in the Answer Sheet.

Question 73

Consort

A Convoy

B Guide

C Protect

D Partner

Answer: E

Question 74

Revenue

A Return

B Income

C Disaster

D Regain

Answer: E

Question 75

Genuine

A Concern

B Local

C Clever

D Authentic

Answer: E

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Question 76

Accuracy

A Cleveness

B Attachment

C Precision

D Agreement

Answer: E

Instructions

A sentence has been given in Direct/Indirect. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct and mark your answer in the Answer Sheet.

Question 77

The teacher said, "The Earth moves round the sun."

A The teacher said that the Earth moves round the sun

B The teacher told that the Earth moved round the sun

- C The teacher told that the Earth has moved round the sun
- D The teacher asked that the Earth moves round the sun

Answer: E

Question 78

Ashok said to me, "Your parents are waiting for you".

- A Ashok told me that his parents are waiting for him
- B Ashok told me that his parents were waiting for him
- C Ashok told me that my parents were waiting for me
- D Ashok told to me that my parents were waiting for me

Answer: E

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Instructions

Four words are given in each question, out of which only one word is correctly spelt. Find the correctly spelt word and mark your answer in the Answer Sheet.

Question 79

- A Revarberation
- B Reverberation
- C Revirberation
- D Riverberation

Answer: B

Question 80

- A Remarkable
- B Remarkeble
- C Remarkabl
- D Remarkebel

Answer: A

Question 81

- A Preference
- B Prefference
- C Preference
- D Preferennce

Answer: C

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Question 82

- A Advertice
- B Adverties
- C Adveretise
- D Advertise

Answer: D

Instructions

A sentence / a part of the sentence is underlined. Below are given alternatives to the underlined part which may improve the sentence choose the correct alternative. In case no improvement needed choose "No Improvement".

Question 83

How many country are there in Europe ?

- A country are there on
- B countries are their in
- C No improvement
- D countries are there in

Answer: D

Question 84

The Sutlej has changed its path

- A course
- B line
- C No improvement
- D journey

Answer: A

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Question 85

The medicine must be take by you

- A takes
- B No Improvement
- C taken
- D taking

Answer: C

Question 86

We stayed in Mumbai in five days

- A for
- B with
- C No Improvement
- D at

Answer: A

Instructions

Out of the four alternatives, choose the one which can be substituted for the given words/sentences and indicate it by blackening the appropriate circle in the Answer Sheet.

Question 87

Animals living in water.

- A gregarious
- B mammals
- C aquatic
- D amphibian

Answer: C

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Question 88

Someone not fit to be chosen.

- A non-eligible
- B uneligible
- C imeligible
- D ineligible

Answer: D

Question 89

One who compiles a dictionary

- A lexicon
- B lexicographer
- C lexical
- D lexicography

Answer: B

Question 90

A person who steals the writing of others

- A nepotism
- B plagiarist
- C plagiarism
- D popular

Answer: B

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Instructions

Four alternatives are given for the Idiom/Phrase underlined. Choose the alternative which best expresses the meaning of the Idiom/Phrase and mark it in the Answer Sheet.

Question 91

To call in a day

- A decide to finish working
- B put off work for another day
- C give the day a name
- D the day was marvellous

Answer: B

Question 92

I was in two minds whether to buy a new television or a new computer

- A to be undecided
- B to lose one's mind
- C to take two decisions
- D to be firm

Answer: A

Question 93

My brother puts by a little money every month.

- A spends carefully
- B saves
- C gives away
- D loses

Answer: B

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Question 94

Ramesh was on cloud nine when she heard that the has won the lottery.

- A frustrated
- B very happy
- C confused
- D shocked

Answer: E

Instructions

A sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice and mark your answer

Question 95

People say that he is a spy

- A He is spy was said by people
- B A spy that he is said the people
- C It has been said by the people that he is a spy
- D It is said that he is a spy

Answer: E

Question 96

Has be completed the assignments ?

- A Has the assignments been completed by him ?
- B Has the assignments being completed by him ?
- C Have the assignments completed by him ?
- D Have the assignments been completed by him ?

Answer: E

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Instructions

Some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error and blacken the circle corresponding to the appropriate correct option. If a sentence is free from error, blacken the circle corresponding to 'No Error' option in the Answer Sheet.

Question 97

I will have both the blue or the black pen

- A No error

- B I will have
- C both the blue
- D or the black pen

Answer: D

Question 98

My wife, having finish her work rushed to meet me at the event

- A My wife, having finish her work
- B at the event
- C rushed to meet me
- D No error

Answer: A

Question 99

Electronic mail or E-mail are a method of exchanging digital messages

- A No error
- B digital messages
- C Electronics mail or E-mail
- D are a method of exchanging

Answer: B

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Question 100

You must abide on the terms of this government.

- A the terms of
- B You must abide on
- C this government
- D No error

Answer: B

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Quant

Instructions

For the following questions answer them individually

Question 101

A milkman mixed the water with milk to gain 25% by selling the mixture at cost price. The ratio of water and milk is:

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

Answer: B

Explanation:

Profit % gained by the milk man = 25%

$$= \frac{25}{100} = \frac{1}{4}$$

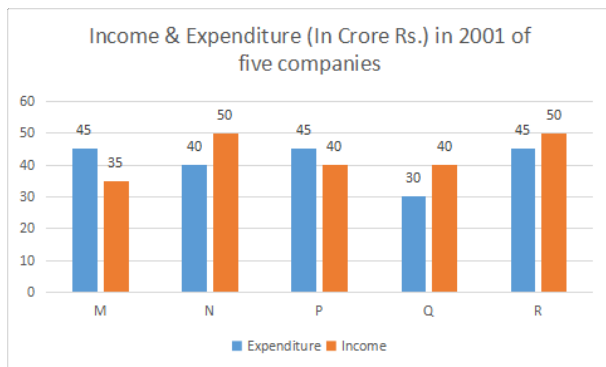
=> Required ratio of water and milk = 1 : 4

=> Ans - (B)

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Instructions

Study the bar chart & answer the questions.



Question 102

The company earning the maximum percentage of profit in the year 2001 is:

- A N
- B Q
- C M
- D P

Answer: B

Explanation:

$$\text{Profit \%} = \frac{(\text{Income} - \text{Expenditure})}{\text{Expenditure}} \times 100$$

(A) : N = $\frac{(50 - 40)}{40} \times 100 = 25\%$

(B) : Q = $\frac{(40 - 30)}{30} \times 100 = 33.3\%$ **[MAX]**

(C) : M = Expenditure is more than income, thus company bears a loss

(D) : P = Expenditure is more than income, thus company bears a loss

=> Ans - (B)

Question 103

If the income of company Q in 2001 was 10% more than 2000 and the company had earned a profit of 20% in 2000, then its expenditure in 2000 (in crores) was:

- A 30.30
- B 29.09
- C 34.34
- D 28.28

Answer: A

Explanation:

Income of company Q in 2001 (in crores) = Rs. 40

$$\Rightarrow \text{Income of company Q in 2000 (in crores)} = \frac{40}{(100+10)} \times 100 = \text{Rs. } 36.36$$

Profit % in 2000 = 20%

$$\Rightarrow \text{Expenditure of company Q in 2000 (in crores)} = \frac{36.36}{(100+20)} \times 100 = \text{Rs. } 30.30$$

\Rightarrow Ans - (A)

Question 104

In 2001, the approximate percentage of profit/loss of all the five companies taken together is equal to:

- A 4.87% profit
- B 6.48% profit
- C 6.88% loss
- D 4% loss

Answer: A

Explanation:

Total income of all companies (in Rs. crores) = 35 + 50 + 40 + 40 + 50 = 215

Total expenditure of all companies (in Rs. crores) = 45 + 40 + 45 + 30 + 45 = 205

$$\Rightarrow \text{Profit \%} = \frac{(215-205)}{205} \times 100$$

$$= \frac{1000}{205} \approx 4.87\%$$

\Rightarrow Ans - (A)

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Question 105

For company R, if the expenditure has increased by 20% in the year 2001 from the year 2000 and the company had earned profit of 10% in 2000, the company's income in 2000 was ? (in crore)

- A 38.5
- B 37.25
- C 41.25

D 35.75

Answer: C

Explanation:

Expenditure of company R in 2001 (in crores) = Rs. 45

=> Expenditure of company R in 2000 (in crores) = $(100+20) \times 100 = Rs. 37.5$

Profit % in 2000 = 10%

=> Income of company R in 2000 (in crores) = $\frac{(100+10)}{100} \times 37.5 = Rs. 41.25$

=> Ans - (C)

Question 106

The companies M and N together had a percentage of profit/loss of :

A 10% profit

B No loss and No profit

C 10% loss

D 12% loss

Answer: B

Explanation:

Total income of companies M and N together (in Rs. crores) = 35 + 50 = 85

Total expenditure of companies M and N together (in Rs. crores) = 45 + 40 = 85

Since, both income and expenditure are same, thus no profit/loss.

=> Ans - (B)

Instructions

For the following questions answer them individually

Question 107

If $x - \frac{1}{x} = 2$, then the value of following is: $x^3 - \frac{1}{x^3} = ?$

A 2

B 14

C 11

D 15

Answer: C

Explanation:

Given : $x - \frac{1}{x} = 2$

Cubing both sides, we get :

=> $(x - \frac{1}{x})^3 = (2)^3$

=> $x^3 - \frac{1}{x^3} - 3(x)(\frac{1}{x}) = 8$

=> $x^3 - \frac{1}{x^3} - 3 = 8$

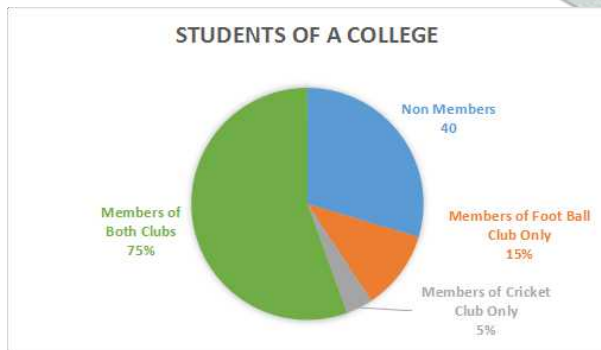
=> $x^3 - \frac{1}{x^3} = 8 + 3 = 11$

=> Ans - (C)

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Instructions

Study the Pie chart carefully and answer the questions.



Question 108

Number of students who are members of cricket club only ?

- A 40
- B 42
- C 41
- D 35

Answer: A

Explanation:

$$\text{Percent of non members} = 100 - (75 + 5 + 15) = 5\%$$

$$\text{Now, number of non members} = 5\% \equiv 40$$

$$\Rightarrow 100\% = \frac{40}{5} \times 100 = 800$$

$$\text{Thus, total number of students} = 800$$

$$\text{Number of students who are members of cricket club only} = \frac{5}{100} \times 800$$

$$= 5 \times 8 = 40$$

=> Ans - (A)

Question 109

Number of students who are members of both the clubs is:

- A 500
- B 650
- C 600
- D 550

Answer: C

Explanation:

$$\text{Percent of non members} = 100 - (75 + 5 + 15) = 5\%$$

$$\text{Now, number of non members} = 5\% \equiv 40$$

$$\Rightarrow 100\% = \frac{40}{5} \times 100 = 800$$

Thus, total number of students = 800

$$\text{Number of students who are members of both the clubs} = \frac{75}{100} \times 800$$

$$= 75 \times 8 = 600$$

\Rightarrow Ans - (C)

Question 110

Ratio of members of cricket club only and football club only is:

A 3 : 1

B 1 : 3

C 1 : 2

D 2 : 1

Answer: B

Explanation:

Percent of members of cricket club only = 5%

Percent of members of football club only = 15%

$$\Rightarrow \text{Required ratio} = \frac{5}{15} = 1 : 3$$

\Rightarrow Ans - (B)

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Question 111

Percentage of students who are not members of any club is:

A 8%

B 6%

C 10%

D 5%

Answer: D

Explanation:

Percent of students who are members of any club = $(75 + 5 + 15) = 95\%$

$$\Rightarrow \text{Percent of non members} = 100 - 95 = 5\%$$

\Rightarrow Ans - (D)

Instructions

For the following questions answer them individually

Question 112

The total surface area of a right circular cylinder with radius of the base 7 cm and height 20 cm is:

A 1188cm^2

B 1400cm^2

- C 900cm^2
- D 1000cm^2
- Answer: A**

Explanation:

Radius of cylinder = 7 cm and height = 20 cm

=> Total surface area of a right circular cylinder = $2\pi r(r + h)$

$$= 2 \times \frac{22}{7} \times 7 \times (7 + 20)$$

$$= 44 \times 27 = 1188 \text{ cm}^2$$

=> Ans - (A)

Question 113

A car goes 20 metres in a second. Find its speed in Km/hr

- A 18
- B 72
- C 20
- D 36

Answer: B

Explanation:

Speed of car = 20 m/s

$$\text{Speed (in km/hr)} = 20 \times \frac{18}{5}$$

$$= 4 \times 18 = 72 \text{ km/hr}$$

=> Ans - (B)

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Question 114

The area of circle whose radius is the diagonal of a square whose area is 4 is:

- A 16π
- B 6π
- C 4π
- D 8π

Answer: D

Explanation:

Side of square whose area is 4 units = $\sqrt{4} = 2$ units

=> Radius of circle = Diagonal of square = $\sqrt{(2)^2 + (2)^2} = 2\sqrt{2}$ units

∴ Area of circle = πr^2

$$= \pi(2\sqrt{2})^2 = 8\pi$$

=> Ans - (D)

Question 115

An article is sold at a profit of 25%. If the selling price is doubled, the profit will be:

- A 100%
- B 50%
- C 200%
- D 150%

Answer: D

Explanation:

Let cost price = Rs. 100

Profit % = 25%

$$\Rightarrow \text{Selling price} = 100 + \left(\frac{25}{100} \times 100\right)$$

$$= 100 + 25 = \text{Rs. } 125$$

$$\text{New selling price} = 2 \times 125 = \text{Rs. } 250$$

$$\Rightarrow \text{Profit \%} = \frac{(250-100)}{100} \times 100 = 150\%$$

\Rightarrow Ans - (D)

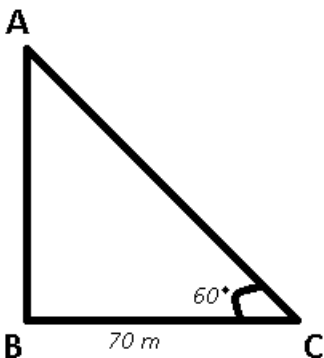
Question 116

The angle of depression of a point situated at a distance of 70 m from the base of a tower is 60° . The height of tower is:

- A $70\sqrt{3}m$
- B $\frac{70\sqrt{3}}{3} m$
- C $70m$
- D $35\sqrt{3}m$

Answer: A

Explanation:



AB is the tower = $h = ?$

In $\triangle ABC$,

$$\Rightarrow \tan(60^\circ) = \frac{AB}{BC}$$

$$\Rightarrow \sqrt{3} = \frac{h}{70}$$

$$\Rightarrow h = 70\sqrt{3} m$$

=> Ans - (A)

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Question 117

The sum of two numbers is 37 and the difference of their squares is 185, then the difference of the two numbers is

- A 5
- B 3
- C 10
- D 4

Answer: A

Explanation:

Let the numbers be x and $(37 - x)$

According to ques,

$$\Rightarrow (37 - x)^2 - (x)^2 = 185$$

Using, $a^2 - b^2 = (a - b)(a + b)$

$$\Rightarrow (37 - x - x)(37 - x + x) = 185$$

$$\Rightarrow (37 - 2x)(37) = 185$$

$$\Rightarrow 37 - 2x = \frac{185}{37} = 5$$

$$\Rightarrow 2x = 37 - 5 = 32$$

$$\Rightarrow x = \frac{32}{2} = 16$$

Thus, second number = $37 - 16 = 21$

\therefore Difference of the two numbers = $21 - 16 = 5$

=> Ans - (A)

Question 118

A, B and C can complete a work in 10, 12 and 15 days respectively. A left the work 5 days before the work was completed and B left 2 days after A had left. Number of days required to complete the whole work are:

- A $6\frac{2}{3}$
- B $8\frac{2}{3}$
- C 6
- D 7

Answer: D

Explanation:

Let total work to be done = L.C.M. (10,12,15) = 60 units

=> A can complete the work in 10 days, => A's efficiency = $\frac{60}{10} = 6$ units/day

Similarly, B's efficiency = $\frac{60}{12} = 5$ units/day

and C's efficiency = $\frac{60}{15} = 4$ units/day

Let the work is completed in t days

Thus, A worked for $(t - 5)$ days and B worked for $(t - 3)$ days

$$\Rightarrow 6(t - 5) + 5(t - 3) + 4(t) = 60$$

$$\Rightarrow (6t - 30) + (5t - 15) + (4t) = 60$$

$$\Rightarrow 15t = 60 + 30 + 15 = 105$$

$$\Rightarrow t = \frac{105}{15} = 7 \text{ days}$$

\Rightarrow Ans - (D)

Question 119

The distance between the centers of two circles of radii 6 cm and 3 cm is 15 cm. The length of the transverse common tangent the circle is:

A $7\sqrt{6} \text{ cm}$

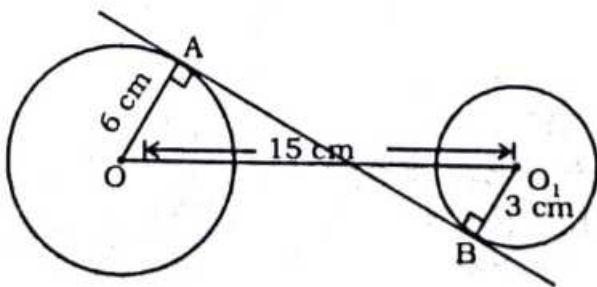
B 18 cm

C $6\sqrt{6} \text{ cm}$

D 12 cm

Answer: D

Explanation:



Two circles having radii r_1 and r_2 and distance between them d

$$\text{Length of transverse common tangent PQ} = \sqrt{d^2 - (r_1 + r_2)^2}$$

$$= \sqrt{(15)^2 - (6 + 3)^2}$$

$$= \sqrt{225 - 81} = \sqrt{144} = 12 \text{ cm}$$

\Rightarrow Ans - (D)

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Question 120

A rectangular carpet has an area of 120 m^2 and a perimeter of 46 meter. The length of its diagonal is:

A 21 metre

B 13 metre

C 23 metre

D 17 metre

Answer: D

Explanation:

Let length of rectangle = l m and breadth = b m

$$\Rightarrow \text{Diagonal of rectangle, } d = \sqrt{l^2 + b^2}$$

$$\Rightarrow \text{Area} = lb = 120 \text{ -----(i)}$$

$$\text{and Perimeter} = 2(l + b) = 46$$

$$\Rightarrow l + b = \frac{46}{2} = 23$$

Squaring both sides, we get

$$\Rightarrow (l + b)^2 = (23)^2$$

$$\Rightarrow l^2 + b^2 + 2lb = 529$$

$$\Rightarrow l^2 + b^2 + 2(120) = 529 \quad [\text{Using equation (i)}]$$

$$\Rightarrow l^2 + b^2 = 529 - 240 = 289$$

Taking square root on both sides

$$\Rightarrow \sqrt{l^2 + b^2} = \sqrt{289} = 17$$

\therefore Length of diagonal = 17 m

\Rightarrow Ans - (D)

Question 121

If $4\sin^2\theta - 1 = 0$ and angle θ is less than 90° . Then the value of $\cos^2\theta + \tan^2\theta$ is:

Take ($0^\circ < \theta < 90^\circ$)

A $\frac{12}{11}$

B $\frac{13}{12}$

C $\frac{17}{15}$

D $\frac{11}{9}$

Answer: B

Explanation:

Given : $4\sin^2\theta - 1 = 0$

$$\Rightarrow 4\sin^2\theta = 1$$

$$\Rightarrow \sin^2\theta = \frac{1}{4}$$

$$\Rightarrow \sin\theta = \sqrt{\frac{1}{4}} = \frac{1}{2}$$

$$\Rightarrow \theta = \sin^{-1}\left(\frac{1}{2}\right)$$

$$\Rightarrow \theta = 30^\circ$$

To find : $\cos^2\theta + \tan^2\theta$

$$= \cos^2(30^\circ) + \tan^2(30^\circ)$$

$$= \left(\frac{\sqrt{3}}{2}\right)^2 + \left(\frac{1}{\sqrt{3}}\right)^2$$

$$= \frac{3}{4} + \frac{1}{3} = \frac{13}{12}$$

\Rightarrow Ans - (B)

Question 122

The radius of base and curved surface area of a right cylinder is 'r' units and $4\pi rh$ square units respectively. The height of the cylinder is:

- A $2h$ units
- B $4h$ units
- C h units
- D $\frac{h}{2}$ units

Answer: A

Explanation:

Let height of cylinder = H units

Curved surface area of cylinder = $2\pi rH$

According to ques, $\Rightarrow 2\pi rH = 4\pi rh$

$$\Rightarrow H = \frac{4}{2}h$$

$$\Rightarrow H = 2h \text{ units}$$

\Rightarrow Ans - (A)

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Question 123

Out of 10 teachers of a school, one teacher retires and in place of him a new teacher 25 yrs of old joins. As a result of it average age of the teachers reduces by 3 years. Age of the retired teacher (in year) is:

- A 55
- B 58
- C 60
- D 56

Answer: A

Explanation:

Let initial average of the 10 teachers = x years and age of retired teacher = y years

\Rightarrow Sum of ages of 10 teachers = $10x$ years

According to ques,

$$\Rightarrow \frac{10x - y + 25}{10} = (x - 3)$$

$$\Rightarrow 10x - y + 25 = 10x - 30$$

$$\Rightarrow y = 25 + 30 = 55$$

\therefore Age of the retired teacher = 55 years

\Rightarrow Ans - (A)

Question 124

The marked price is 10% higher than the cost price. A discount of 10% is given on the marked price. In this kind of sale, the seller

- A gains 1%
- B gains 2%
- C bears no loss, no gain
- D loses 1%

Answer: D

Explanation:

Let cost price = Rs. 100

Markup % = 10%

$$\Rightarrow \text{Marked price} = 100 + \left(\frac{10}{100} \times 100\right)$$

$$= 100 + 10 = \text{Rs. } 110$$

$$\text{After discount of 10\%, Selling price} = 110 - \left(\frac{10}{100} \times 110\right)$$

$$= 110 - 11 = \text{Rs. } 99$$

$$\therefore \text{C.P.} > \text{S.P.}, \Rightarrow \text{Loss \%} = \frac{(100-99)}{100} \times 100 = 1\%$$

\Rightarrow Ans - (D)

Question 125

A train passes two bridges of lengths 500m and 250m in 100 seconds and 60 seconds respectively. The length of the train is:

- A 120 m
- B 125 m
- C 250 m
- D 152 m

Answer: B

Explanation:

Let length of train = l m and speed = x m/s

$$\text{Time taken to pass the first bridge (length = 500 m)} = 100 = \frac{l+500}{x}$$

$$\Rightarrow l + 500 = 100x \text{ -----(i)}$$

$$\text{Similarly, } 60 = \frac{l+250}{x}$$

$$\Rightarrow l + 250 = 60x \text{ -----(ii)}$$

Dividing equation (i) by (ii), we get :

$$\Rightarrow \frac{l+500}{l+250} = \frac{100x}{60x}$$

$$\Rightarrow \frac{l+500}{l+250} = \frac{5}{3}$$

$$\Rightarrow 3l + 1500 + 5l + 1250$$

$$\Rightarrow 5l - 3l = 1500 - 1250$$

$$\Rightarrow 2l = 250$$

$$\Rightarrow l = \frac{250}{2} = 125 \text{ m}$$

\Rightarrow Ans - (B)

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 126

The amount on ₹ 25000 in 2 years at annually compound interest, if the rates for the successive years be 4% and 5% per annum respectively is:

- A ₹26800
- B ₹28500
- C ₹27300
- D ₹30000

Answer: C

Explanation:

Principal amount = Rs. 25,000 for 2 years

Interest for 1st year = 4% and for 2nd year = 5%

Amount after 2 years = $25,000\left(1 + \frac{4}{100}\right)\left(1 + \frac{5}{100}\right)$

$$= 25,000\left(\frac{26}{25}\right)\left(\frac{21}{20}\right)$$

$$\Rightarrow 50 \times 26 \times 21 = \text{Rs. } 27,300$$

\Rightarrow Ans - (C)

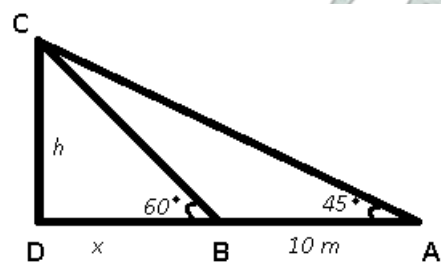
Question 127

If the angle of elevation of the sun changes from 45° to 60° , then the length of the shadow of a pillar decreases by 10m. The height of the pillar is:

- A $5(3 - \sqrt{3})m$
- B $15(\sqrt{3} + 1)m$
- C $5(\sqrt{3} + 1)m$
- D $5(3 + \sqrt{3})m$

Answer: D

Explanation:



Given : CD is the pillar and AB = 10 m

To find : Height of pillar = $h = ?$

Solution : In $\triangle ACD$,

$$\Rightarrow \tan(45^\circ) = \frac{CD}{AD}$$

$$\Rightarrow 1 = \frac{h}{x+10}$$

$$\Rightarrow h = x + 10 \text{ -----(i)}$$

Again, in $\triangle BCD$,

$$\Rightarrow \tan(60^\circ) = \frac{CD}{DB}$$

$$\Rightarrow \sqrt{3} = \frac{h}{x}$$

$$\Rightarrow h = x\sqrt{3}$$

$$\Rightarrow h = (h - 10)\sqrt{3} \quad [\text{Using (i)}]$$

$$\Rightarrow h = h\sqrt{3} - 10\sqrt{3}$$

$$\Rightarrow h(\sqrt{3} - 1) = 10\sqrt{3}$$

$$\Rightarrow h = \frac{10\sqrt{3}}{\sqrt{3}-1}$$

Rationalizing the denominator, we get :

$$\Rightarrow h = \frac{10\sqrt{3}}{\sqrt{3}-1} \times \frac{(\sqrt{3}+1)}{(\sqrt{3}+1)}$$

$$\Rightarrow h = \frac{10\sqrt{3}(\sqrt{3}+1)}{(3-1)}$$

$$\Rightarrow h = 5\sqrt{3}(\sqrt{3} + 1)$$

$$\Rightarrow h = 5(3 + \sqrt{3}) \text{ m}$$

\Rightarrow Ans - (D)

Question 128

A single discount equivalent to the series of discounts 20%, 10% and 5% is equal to:

- A 30%
- B 31.6%
- C 30.7%
- D 32%

Answer: B

Explanation:

Let Marked price = Rs. 100

After 1st discount of 20%, price = $100 - \left(\frac{20}{100} \times 100\right)$

$$= 100 - 20 = 80$$

After 2nd discount of 10% (on changed price), selling price = $80 - \left(\frac{10}{100} \times 80\right)$

$$= 80 - 8 = 72$$

After 3rd discount of 5% (on changed price), selling price = $72 - \left(\frac{5}{100} \times 72\right)$

$$= 72 - 3.6 = 68.4$$

$$\therefore \text{Net discount \%} = \frac{(100-68.4)}{100} \times 100 = 31.6\%$$

\Rightarrow Ans - (B)

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 129

The sum of two numbers is 75 and their difference is 25. The product of the two numbers is:

- A 1350
- B 1250
- C 1000
- D 125

Answer: B

Explanation:

Let the numbers be x and y

$$\Rightarrow \text{Sum} = x + y = 75 \text{ -----(i)}$$

$$\text{and difference} = x - y = 25 \text{ -----(ii)}$$

Adding both equations, we get : $2x = 75 + 25 = 100$

$$\Rightarrow x = \frac{100}{2} = 50$$

Substituting it in equation (i), $\Rightarrow y = 75 - 50 = 25$

$$\therefore \text{Product} = 50 \times 25 = 1250$$

\Rightarrow Ans - (B)

Question 130

The value of the following is:

$$\left(2 - \frac{1}{3}\right)\left(2 - \frac{3}{5}\right)\left(2 - \frac{5}{7}\right)\dots\dots\dots\left(2 - \frac{997}{999}\right)$$

- A $\frac{1001}{3}$
- B $\frac{1001}{999}$
- C $\frac{5}{999}$
- D $\frac{1001}{5}$

Answer: A

Explanation:

$$\text{Expression : } \left(2 - \frac{1}{3}\right)\left(2 - \frac{3}{5}\right)\left(2 - \frac{5}{7}\right)\dots\dots\dots\left(2 - \frac{997}{999}\right)$$

$$= \left(\frac{5}{3}\right)\left(\frac{7}{5}\right)\left(\frac{9}{7}\right)\dots\dots\dots\left(\frac{999}{997}\right)\left(\frac{1001}{999}\right)$$

(Now, numerator of each term will get cancelled by the denominator of the next term, and we are left with)

$$= \frac{1001}{3}$$

\Rightarrow Ans - (A)

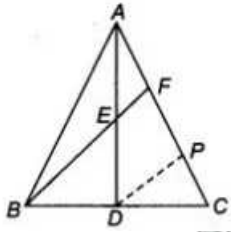
Question 131

E is the midpoint of the median AD of $\triangle ABC$. BE is joined and produced to meet AC at F. F divides AC in the ratio:

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

Answer: B

Explanation:



Given : In $\triangle ABC$, AD is the median and E is the mid point of AD.

Construction : Draw DP parallel to EF

To find = AF : FC

Solution : in $\triangle ADP$, E is the mid point of AD and $EF \parallel DP$.

\Rightarrow F is mid point of AP. [By converse of mid point theorem]

Similarly, in $\triangle FBC$, D is the mid point of BC and $EF \parallel DP$.

\Rightarrow P is mid point of FC.

Thus, AF = FP = PC

$$\therefore AF = \frac{1}{3}FC$$

\Rightarrow F divides AC in the ratio = 1 : 3

\Rightarrow Ans - (B)

SSC CGL Free Mock Test (Latest Pattern)

Question 132

The sum of money which when given on compound interest at 18% per annum would fetch ₹960 more when the interest is payable half yearly than when it was payable annually for 2 years is:

- A ₹30000
- B ₹50000
- C ₹40000
- D ₹60000

Answer: B

Explanation:

Let principal amount = Rs. x and rate of interest = 18%

Compound interest when compounded annually = $P\left(1 + \frac{R}{100}\right)^T$

$$= x\left(1 + \frac{18}{100}\right)^2 = \left(\frac{118}{100}\right)^2x$$

= Rs. $1.3924x$

Compound interest when compounded half yearly = $P\left(1 + \frac{R}{200}\right)^{2T}$

$$= x\left(1 + \frac{18}{200}\right)^4 = \left(\frac{109}{100}\right)^4x$$

= Rs. $1.41158161x$

According to ques, $\Rightarrow (1.41158161x - 1.3924x) = 960$

$\Rightarrow 0.01918161x = 960$

$$\Rightarrow x = 0.01918161 \approx 50047.93$$

∴ Sum of money given = **Rs. 50,000**

⇒ Ans - (B)

Question 133

Six numbers are arranged in decreasing order. The average of the first five numbers is 30 and the average of the last five numbers is 25. The differences of the first and the last numbers is:

- A 20
- B 5
- C 25
- D 30

Answer: C

Explanation:

Let the numbers (in decreasing order) be a, b, c, d, e, f

Average of first 5 = 30

$$\Rightarrow \text{Sum of first 5 numbers} = 30 \times 5$$

$$\Rightarrow (a + b + c + d + e) = 150 \text{ -----(i)}$$

Similarly, sum of last 5 = 25×5

$$\Rightarrow (b + c + d + e + f) = 125 \text{ -----(ii)}$$

Subtracting equation (ii) from equation (i),

$$\Rightarrow a - f = 150 - 125 = 25$$

Thus, the differences of the first and the last numbers = **25**

⇒ Ans - (C)

Question 134

If bananas are bought at the rate of 4 for a rupee, how many must be sold for a rupee so as to gain $33\frac{1}{3}\%$

- A 3
- B 2
- C 2.5
- D 4

Answer: A

Explanation:

Cost price of 1 banana = $\text{Rs. } \frac{1}{4}$

$$\text{Profit \%} = 33\frac{1}{3} = \frac{100}{3} \%$$

$$\Rightarrow \text{Selling price} = \frac{1}{4} + \left(\frac{100}{3} \times \frac{1}{4} \right)$$

$$= \frac{1}{4} + \frac{1}{12} = \text{Rs. } \frac{1}{3}$$

∴ Number of bananas that must be sold for a rupee = $\frac{1}{\frac{1}{3}} = 3$

⇒ Ans - (A)

SSC CHSL Important Questions and Answers (Download PDF)

Question 135

20 liters of a mixture contains milk and water in the ratio 3 : 1. Then the amount of milk to be added to the mixture so as to have milk and water in the ratio 4 : 1 is

- A 6 liters
- B 5 liters
- C 4 liters
- D 7 liters

Answer: B

Explanation:

Ratio of milk and water in 20 litres mixture = 3:1

$$\Rightarrow \text{Quantity of milk} = \frac{3}{3+1} \times 20 = 15 \text{ litres}$$

$$\Rightarrow \text{Quantity of water} = 20 - 15 = 5 \text{ litres}$$

Let amount of milk added = x litres

According to ques,

$$\Rightarrow \frac{15+x}{5} = \frac{4}{1}$$

$$\Rightarrow 15 + x = 20$$

$$\Rightarrow x = 20 - 15 = 5$$

\therefore The amount of milk to be added to the mixture so as to have milk and water in the ratio 4 : 1 = **5 litres**

\Rightarrow Ans - (B)

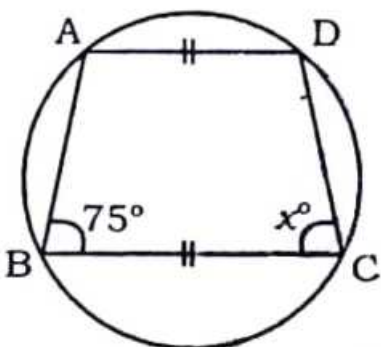
Question 136

ABCD is a cyclic trapezium whose sides AD and BC are parallel to each other, if $\angle ABC = 75^\circ$, then the measure of $\angle BCD$ is:

- A 45°
- B 105°
- C 75°
- D 95°

Answer: C

Explanation:



Given : $\angle ABC = 75^\circ$ and $AD \parallel BC$

To find : $\angle BCD = ?$

Solution : In a cyclic quadrilateral, sum of opposite angles is supplementary.

$$\Rightarrow \angle ABC + \angle ADC = 180^\circ$$

$$\Rightarrow \angle ADC = 180^\circ - 75^\circ = 105^\circ$$

Also, $\angle ADC + \angle BCD = 180^\circ$ [Angles on the same side of transversal]

$$\Rightarrow \angle BCD = 180^\circ - 105^\circ = 75^\circ$$

\Rightarrow Ans - (C)

Question 137

If $\sqrt{7} = 2.646$, then the value of $\frac{1}{\sqrt{28}}$ up to the three places of decimal is:

A 0.189

B 0.183

C 0.185

D 0.187

Answer: A

Explanation:

Given : $\sqrt{7} = 2.646$

To find : $\frac{1}{\sqrt{28}}$

$$= \frac{1}{\sqrt{7 \times 4}}$$

$$= \frac{1}{2\sqrt{7}} = \frac{1}{2 \times 2.646}$$

$$= \frac{1}{5.292} = 0.18896 \approx 0.189$$

\Rightarrow Ans - (A)

SSC CHSL Study Material

Question 138

If $a^2 + b^2 + c^2 - ab - bc - ca = 0$ then a:b:c is:

A 1 : 1 : 2

B 1 : 1 : 1

C 1 : 2 : 1

D 2 : 1 : 1

Answer: B

Explanation:

Given : $a^2 + b^2 + c^2 - ab - bc - ca = 0$

Multiplying both sides by 2, we get :

$$\Rightarrow 2a^2 + 2b^2 + 2c^2 - 2ab - 2bc - 2ca = 0$$

$$\Rightarrow (a^2 - 2ab + b^2) + (b^2 - 2bc + c^2) + (c^2 - 2ca + a^2) = 0$$

$$\Rightarrow (a - b)^2 + (b - c)^2 + (c - a)^2 = 0$$

∴ Sum of three positive sum is 0, then each term is equal to '0'

$$\Rightarrow (a - b) = (b - c) = (c - a) = 0$$

$$\Rightarrow a = b = c$$

$$\therefore a : b : c = 1 : 1 : 1$$

⇒ Ans - (B)

Question 139

X can do a piece of work in 24 days. When he had worked for 4 days, Y joined him. If complete work was finished in 16 days, Y can alone finish that work in:

A 36 days

B 42 days

C 18 days

D 27 days

Answer: A

Explanation:

Let total work to be done = L.C.M. (24,16) = 48 units

X can do a piece of work in 24 days, ⇒ X's efficiency = $\frac{48}{24} = 2$ units/day

Let Y's 1 day work = y units/day

Now, X worked for 16 days and Y worked for (16-4) = 12 days

$$\Rightarrow 2(16) + y(12) = 48$$

$$\Rightarrow 32 + 12y = 48$$

$$\Rightarrow 12y = 48 - 32 = 16$$

$$\Rightarrow y = \frac{16}{12} = \frac{4}{3}$$

∴ Y can finish the work in = $\frac{48}{\frac{4}{3}}$

$$= 48 \times \frac{3}{4} = 36 \text{ days}$$

⇒ Ans - (A)

Question 140

A hemi-spherical bowl has 3.5 cm radius. It is to be painted inside as well as outside. The cost of painting it at the rate of ₹5 per 10 sq.cm will be:

A ₹77

B ₹100

C ₹50

D ₹175

Answer: A

Explanation:

Radius of hemispherical bowl = 3.5 cm

Curved surface area of the hemisphere = $2\pi r^2$

$$= 2 \times \frac{22}{7} \times (3.5)^2$$

$$= \frac{44}{7} \times 12.25 = 77 \text{ cm}^2$$

As bowl is to be painted inside and outside, thus total surface to be painted = $2 \times 77 = 154 \text{ cm}^2$

Now, cost of painting $10 \text{ cm}^2 = \text{Rs. } 5$

\therefore cost of painting $154 \text{ cm}^2 = \frac{5}{10} \times 154 = \text{Rs. } 77$

\Rightarrow Ans - (A)

SSC CHSL Free App

Question 141

The ratio of circumference and diameter of a circle is 22:7. If the circumference be $17\frac{4}{7}$ m, then the radius of the circle is:

- A 1m
- B $\frac{1}{4}$ m
- C $\frac{1}{3}$ m
- D $\frac{1}{2}$ m

Answer: B

Explanation:

Let radius of circle = r cm

According to ques, ratio of circumference and diameter :

$$\Rightarrow \frac{2\pi r}{2r} = \frac{22}{7}$$

$$\Rightarrow \pi = \frac{22}{7} \quad [\text{It is a void statement}]$$

Also, circumference $2\pi r = 17\frac{4}{7}$

$$\Rightarrow 2 \times \frac{22}{7} \times r = \frac{11}{7}$$

$$\Rightarrow 44r = 11$$

$$\Rightarrow r = \frac{11}{44} = \frac{1}{4} \text{ m}$$

\Rightarrow Ans - (B)

Question 142

If $a^2 + a + 1 = 0$, then the value of $a^4 + a^2 + 1$ is:

- A 0
- B $a + 1$
- C 1
- D a^2

Answer: A

Explanation:

Given : $a^2 + a + 1 = 0$

Dividing both sides by ' a ', we get

$$\Rightarrow a + 1 + \frac{1}{a} = 0$$

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

Squaring both sides, we get :

$$\Rightarrow \left(a + \frac{1}{a}\right)^2 = (-1)^2$$

$$\Rightarrow a^2 + \frac{1}{a^2} + 2\left(a\right)\left(\frac{1}{a}\right) = 1$$

$$\Rightarrow a^2 + \frac{1}{a^2} = 1 - 2 = -1$$

$$\Rightarrow a^4 + a^2 + 1 = 0$$

\Rightarrow Ans - (A)

Question 143

The ratio of the length of a rod and its shadow is $1 : \sqrt{3}$. The angle of elevation of the sun is:

A 60°

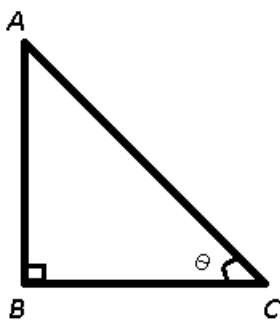
B 30°

C 90°

D 45°

Answer: B

Explanation:



AB is the rod and BC is its shadow. It is given that $\frac{AB}{BC} = \frac{1}{\sqrt{3}}$

Let angle of elevation of sun = $\angle ACB = \theta$

In $\triangle ABC$,

$$\Rightarrow \tan(\theta) = \frac{AB}{BC}$$

$$\Rightarrow \tan(\theta) = \frac{1}{\sqrt{3}}$$

$$\Rightarrow \tan(\theta) = \tan(30^\circ)$$

$$\Rightarrow \theta = 30^\circ$$

\Rightarrow Ans - (B)

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Question 144

The exponential form of $\sqrt{\sqrt{2} \times \sqrt{3}}$ is:

- A 6^{-2}
- B 6^2
- C 6
- D $6^{\frac{1}{4}}$

Answer: D

Explanation:

Expression : $\sqrt{\sqrt{2} \times \sqrt{3}}$

= $\sqrt{\sqrt{2 \times 3}}$

= $\sqrt{6} = 6^{\frac{1}{2}}$

=> Ans - (D)

Question 145

A man bought some eggs of which 10% are rotten. He gives 80% of the remainder of his neighbours. Now he is left out with 36 eggs. How many eggs he bought?

- A 100
- B 72
- C 40
- D 200

Answer: D

Explanation:

Let the man bought $100x$ eggs

Eggs left after removing the rotten ones = $100x - \left(\frac{10}{100} \times 100x\right) = 90x$

Eggs given to neighbours = $\frac{80}{100} \times 90x = 72x$

Thus, eggs remaining = $90x - 72x = 36$

=> $18x = 36$

=> $x = \frac{36}{18} = 2$

∴ Number of eggs bought = $2 \times 100 = 200$

=> Ans - (D)

Question 146

If $\frac{x+1}{x-1} = \frac{a}{b}$ and $\frac{1-y}{1+y} = \frac{b}{a}$, then the value of $\frac{x-y}{1+xy}$ is:

- A $\frac{a^2-b^2}{2ab}$
- B $\frac{a^2+b^2}{2ab}$
- C $\frac{2ab}{a^2-b^2}$
- D $\frac{a^2-b^2}{ab}$

Answer: C

Explanation:

$$\text{Given : } x-1 = \frac{a}{b}$$

$$\Rightarrow b(x+1) = a(x-1)$$

$$\Rightarrow bx + b = ax - a$$

$$\Rightarrow x(a-b) = a+b$$

$$\Rightarrow x = \frac{a+b}{a-b}$$

$$\text{Similarly, } y = \frac{a-b}{a+b}$$

To find : $\frac{x-y}{1+xy}$

$$= \left[\left(\frac{a+b}{a-b} \right) - \left(\frac{a-b}{a+b} \right) \right] \div \left[1 + \left(\frac{a+b}{a-b} \right) \left(\frac{a-b}{a+b} \right) \right]$$

$$= \left(\frac{(a+b)^2 - (a-b)^2}{(a+b)(a-b)} \right) \div (1+1)$$

$$= \left(\frac{a^2 + b^2 + 2ab - (a^2 + b^2 - 2ab)}{a^2 - b^2} \right) \times \left(\frac{1}{2} \right)$$

$$= \frac{4ab}{2(a^2 - b^2)}$$

$$= \frac{2ab}{a^2 - b^2}$$

\Rightarrow Ans - (C)

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Question 147

State electricity board gives 15% discount on electric bills if it is paid before due date. One person gets ₹54 discount. The amount of actual bill was:

- A ₹359
- B ₹361
- C ₹360
- D ₹362

Answer: C

Explanation:

Let amount of actual bill = Rs. $100x$

$$\text{Discounted amount} = \frac{15}{100} \times 100x = 15x$$

According to ques, $\Rightarrow 15x = 54$

$$\Rightarrow x = \frac{54}{15} = 3.6$$

\therefore Amount of actual bill = $100 \times 3.6 = \text{Rs. } 360$

\Rightarrow Ans - (C)

Question 148

In $\triangle ABC$, the external bisectors of the angles $\angle B$ and $\angle C$ meet at the point O. If $\angle A = 70^\circ$, then the measure of $\angle BOC$ is:

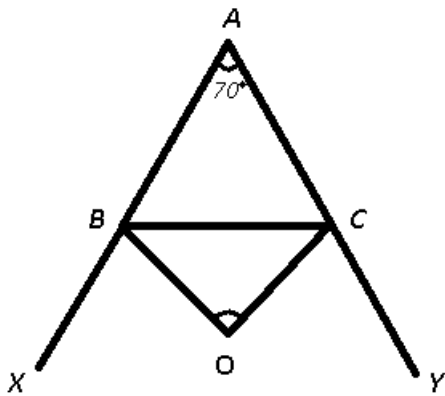
- A 50°
- B 75°

C 60°

D 55°

Answer: D

Explanation:



Given : O is excentre of $\triangle ABC$ and $\angle A = 70^\circ$

To find : $\angle BOC = \theta = ?$

Solution : Excentre of a triangle = $90^\circ - \frac{1}{2} \times (\text{Angle opposite to it})$

$$\Rightarrow \theta = 90^\circ - \frac{\angle A}{2}$$

$$\Rightarrow \theta = 90^\circ - \frac{70^\circ}{2}$$

$$\Rightarrow \theta = 90^\circ - 35^\circ = 55^\circ$$

\Rightarrow Ans - (D)

Question 149

If $0^\circ < \theta < 90^\circ$ and $\text{Cosec}\theta = \text{Cot}^2\theta$, then the value of the expression $\text{Cosec}^4\theta - 2\text{Cosec}^3\theta + \text{Cot}^2\theta$ is equal to:

A 2

B 0

C 3

D 1

Answer: B

Explanation:

Given : $\text{cosec}\theta = \text{cot}^2\theta$

$$\Rightarrow \text{cosec}\theta = \text{cosec}^2\theta - 1$$

$$\Rightarrow \text{cosec}^2\theta - \text{cosec}\theta - 1 = 0 \text{ -----(i)}$$

Squaring both sides, we get :

$$\Rightarrow \text{cosec}^4\theta = (\text{cosec}\theta + 1)^2$$

$$\Rightarrow \text{cosec}^4\theta = \text{cosec}^2\theta + 2\text{cosec}\theta + 1 \text{ -----(ii)}$$

To find : $\text{cosec}^4\theta - 2\text{cosec}^3\theta + \text{cot}^2\theta$

$$= (\text{cosec}^2\theta + 2\text{cosec}\theta + 1) - 2\text{cosec}^3\theta + (\text{cosec}^2\theta - 1) \quad [\text{Using equation (ii)}]$$

$$= -2\text{cosec}^3\theta + 2\text{cosec}^2\theta + 2\text{cosec}\theta$$

$$= -2\text{cosec}\theta(\text{cosec}^2\theta - \text{cosec}\theta - 1)$$

Substituting value from equation (i),

$$= -2\operatorname{cosec}\theta \times (0) = 0$$

=> Ans - (B)

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Question 150

If $x + y + z = 6$ and $xy + yz + zx = 10$, then the value of $x^3 + y^3 + z^3 - 3xyz$ is:

A 48

B 40

C 42

D 36

Answer: D

Explanation:

Given : $x + y + z = 6$ and $xy + yz + zx = 10$ -----(i)

$$\text{Now, } (x + y + z)^2 = (6)^2$$

$$\Rightarrow x^2 + y^2 + z^2 + 2(xy + yz + zx) = 36$$

$$\Rightarrow x^2 + y^2 + z^2 + 2(10) = 36$$

$$\Rightarrow x^2 + y^2 + z^2 = 36 - 20 = 16 \text{ -----(ii)}$$

To find : $x^3 + y^3 + z^3 - 3xyz$

$$= (x + y + z)(x^2 + y^2 + z^2 - xy - yz - zx)$$

$$= (6)(16 - 10)$$

$$= 6 \times 6 = 36$$

=> Ans - (D)

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General Awareness

Instructions

For the following questions answer them individually

Question 151

The use of heat treatment of ore that includes smelting and roasting is termed:

A Cryometallurgy

B Hydrometallurgy

C Electrometallurgy

D Pyrometallurgy

Answer: D

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Question 152

To conserve coral reefs the Govt. of India declared one of the following as Marine Park:

- A Gulf of Kutch
- B Lakshadweep Islands
- C Andaman Islands
- D Gulf of Mannar

Answer: A

Question 153

Damping off of seedlings is caused by:

- A Pythium debaryanum
- B Peronospora parasitica
- C Phytophthora infestans
- D Albugo candida

Answer: C

Question 154

Which of the following monuments is the oldest ?

- A Ajanta Caves
- B Taj Mahal
- C Khajuraho
- D Qutab Minar

Answer: A

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Question 155

Richter scale is used for measuring:

- A Humidity of air
- B Velocity of wind
- C Intensity of earthquake
- D Density of liquid

Answer: C

Question 156

USB is _____ type of storage device

- A Tertiary
- B Secondary
- C Primary
- D Auxillary

Answer: B

Question 157

Which is best planned city in India ?

- A Chandigarh
- B Coimbatore
- C Salem
- D New Delhi

Answer: A

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Question 158

In India, Dugong (Sea Cow) is found in the bioreserve site of?

- A Nok rek
- B Gulf of Mannar
- C Manas
- D Sundarban

Answer: B

Question 159

The phenomenon which causes mirage is:

- A Total internal reflection
- B Diffraction
- C Polarisation
- D Interference

Answer: A

Question 160

People with Down's syndrome invariably affected by:

- A Huntington's disease
- B Brain haemorrhage

- C Meningitis
- D Alzheimer's disease

Answer: D

SSC CHSL Free Mock Test

Question 161

When was the railway system established in India ?

- A 1969
- B 1953
- C 1753
- D 1853

Answer: D

Question 162

The abbreviation LHC stands for which machine ?

- A Large High Collider
- B Large Hadron Collider
- C Light Heat Collider
- D Long Heavy Collider

Answer: B

Question 163

World Human Rights Day is observed on:

- A Dec. 7
- B Sep. 5
- C Dec. 10
- D April 8

Answer: C

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Question 164

Which bank is limited to the needs of agriculture and rural finance ?

- A RBI
- B SBI
- C IFC

D NABARD

Answer: D

Question 165

The development process under capitalism has been described as "Creative Destruction" by:

A Schumpeter

B Hansen

C Karl Marx

D J.S.Mill

Answer: A

Question 166

Air is said to be saturated when

A it blows over the barren land

B it contains maximum content of water vapour

C its thickness is maximum

D its pressure is minimum

Answer: B

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Question 167

The fastest, costlier and relatively small form of storage managed by computer system hardware is:

A Main memory

B Cache

C Flash Memory

D Disk

Answer: B

Question 168

To become a judge of the High court one must be a practicing advocate of the High court for at least-

A 10 years

B 5 years

C 15 years

D 20 years

Answer: A

Question 169

J.B. Say's Law of Market was not accepted by:

- A Adam Smith
- B Marshall
- C David Ricardo
- D Malthus

Answer: D

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Question 170

Who advocated Nazism in Germany ?

- A Fedrick William IV
- B William III
- C Adolf Hitler
- D Bismark

Answer: C

Question 171

Atmos having the same number of protons but different number of neutrons are called:

- A Cations
- B Anions
- C Isotopes
- D Higgs-boson

Answer: C

Question 172

The National Emblem of italy is:

- A White engle
- B White lily
- C Lily
- D Eagle

Answer: D

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Question 173

Which amendment of the constitution lowered the voting age from 21 years to 18 years

- A 61st amendment
- B 64th amendment
- C 63rd amendment
- D 60th amendment

Answer: A

Question 174

Which of the following one of the characteristics of civil services in India ?

- A Neutrality
- B Temporary political
- C Partism
- D All of the given options

Answer: A

Question 175

Project Tiger was introduced in:

- A 1973
- B 2001
- C 1995
- D 1984

Answer: A

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Question 176

Which of these travels in glass with minimum velocity ?

- A Green light
- B Red light
- C Violet light
- D Yellow light

Answer: B

Question 177

All vital atmospheric process leading to various climate & weather conditions take place in the:

- A Stratosphere
- B Troposphere
- C Ionosphere
- D Exosphere

Answer: B

Question 178

Ezra cup is associated with which sports ?

- A Polo
- B Hockey
- C Football
- D Rowing

Answer: A

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Question 179

What is the name of Research Station established by Indian Govt. for conducting research at Antarctic ?

- A Dakshin Gangotri
- B Uttari Gangotri
- C Yamunotri
- D None of the options

Answer: A

Question 180

The 1st battle of Panipat was fought in the year-

- A 1516
- B 1761
- C 1526
- D 1556

Answer: C

Question 181

The deficiency of vitamin a causes ?

- A Beri-beri
- B Night blindness

- C Rickets
- D Pellagra

Answer: B

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Question 182

Who invented the battery ?

- A Faraday
- B Volta
- C Maxwell
- D Roentgen

Answer: B

Question 183

Who was Akbar's guardian ?

- A Bairam Khan
- B Tansen
- C Abul Fazl
- D Amir Khusru

Answer: A

Question 184

Excretion in Hemichordates takes place by:

- A Glomerulus
- B Pronephron
- C Mesonephron
- D Metanephron

Answer: A

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Question 185

The slogan "Garibi Hatao" was included in the:

- A First plan
- B Second plan
- C Fifth plan

D Fourth plan

Answer: C

Question 186

Where do Bhagirathi and Alakananda join Ganga ?

A Karan prayag

B Dev prayag

C Rudra prayag

D Gangotri

Answer: B

Question 187

The Capital of Rawanda is:

A Libreville

B Kigali

C Copenhagen

D Bogota

Answer: B

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Question 188

Which of the following is commonly used in preparing custard powder ?

A Raagi

B Maize

C Wheat

D Rice

Answer: B

Question 189

Indian Economy is a:

A Independent Economy

B Mixed Economy

C Communist Economy

D Capitalist Economy

Answer: B

Question 190

Who was the first Vijayanagar ruler to wrest the important fort of Goa from the Bahamanis ?

- A Hari hara II
- B Bukka I
- C Hari hara I
- D Rava Raya II

Answer: A

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Question 191

January 15 is celebrated as:

- A Republic day
- B Makar Sankranti
- C Army Day
- D Labour Day

Answer: C

Question 192

Soap helps in better cleaning of clothes because:

- A It reduces the surface tension of solution
- B Soap acts like catalyst
- C It absorbs the dirt
- D It gives strength to solution

Answer: A

Question 193

Hari Prasad Chaurasia is a renowned player of:

- A Shehnai
- B Flute
- C Sarod
- D Tabla

Answer: B

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Question 194

The name of the Laccadive, Minicoy and Amindivi islands was changed to Lakshadweep by an act of Parliament in

- A 1973
- B 1971
- C 1970
- D 1972

Answer: A

Question 195

Life originated by chemosynthesis was proved in the laboratory by

- A Miller
- B Aristotle
- C Pasteur
- D Sanger

Answer: A

Question 196

How many organs are there in U.N.O. ?

- A 06
- B 03
- C 04
- D 05

Answer: A

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Question 197

The disease which has been eradicated ?

- A Measles
- B Mumps
- C Small pox
- D Chicken pox

Answer: C

Question 198

Normal blood pressure reading of an adult human:

- A 80/120mmHg
- B 120/80mmHg
- C 130/90mmHg
- D 160/95mmHg

Answer: B

Question 199

'Madhu bani' a style of folk painting is popular in which of the following states in India ?

- A West Bengal
- B Madhya Pradesh
- C Uttar Pradesh
- D Bihar

Answer: D

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Question 200

Who is the author of the book "Magic seeds" ?

- A Vikram Seth
- B Jhumpa Lahiri
- C Cyrus Mistry
- D V.S. Naipaul

Answer: D

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