



SSC CHSL 2 July 2019 Shift-3

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Reasoning

Instructions

For the following questions answer them individually

Question 1

Which number will replace the question mark (?) in the following series?

2, 4, 16, 52, 132, 282, ?

- A 534
- B 512
- C 572
- D 527

Answer: A

Explanation:

2,	4,	16,	52,	132,	282,	534
+2	+12	+36	+80	+150	+252	
	+10	+24	+44	+70	+102	
		+14	+20	+26	+32	

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Question 2

If 'FORTUNE' is coded as '6521347' and 'PREY' is coded as '8279' then how will 'NEPTUNE' be coded as?

- A 4781343
- B 4781347
- C 4782347
- D 4781342

Answer: B

Explanation:

FORTUNE = 6521347 and PREY = 8279

Pattern is F=6, O=5, R=2 and so on

Hence, NEPTUNE = 4781347

Question 3

Which number will replace the question mark (?) in the following series?

89, 90, 82, 109, 45, ?

- A 170
- B 125
- C -80
- D 109

Answer: A

Explanation:

$$89+1=90$$

$$90-8=82$$

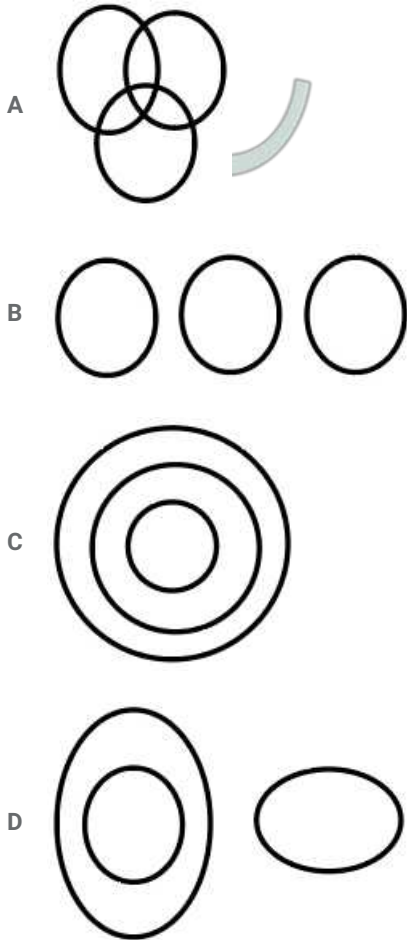
$$82+27=109$$

$$109-64=45$$

$$45+125=170$$

Question 4

Select the Venn diagram that best illustrates the relationship between the following classes.
Nurses, Doctors, Pharmacists



Answer: B

Explanation:

Nurses, Doctors and Pharmacists are different from each other.

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Question 5

Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All women are engineers.

Some singers are engineers.

Conclusions:

I. All women are singers not follows because some singers are engineers given in statement.

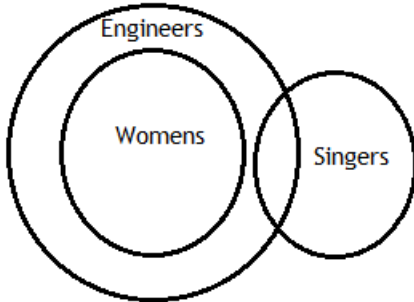
II. All singers are women not follows because some singers are engineers given in statement.

III. Some engineers are women follows because all women are engineers and some singers are engineers.

- A Only conclusion III follows.
- B Only conclusions II and III follow.
- C Only conclusion I follows.
- D Only conclusions I and II follow.

Answer: A

Explanation:



- I. All women are singers not follows because some singers are engineers given in statement.
- II. All singers are women not follows because some singers are engineers given in statement.
- III. Some engineers are women follows because all women are engineers and some singers are engineers.

Question 6

Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

- A 83115
- B 43217
- C 54215
- D 12347

Answer: A

Explanation:

Sum of the digits of 83115 = $8+3+1+1+5=18$ and the sum of remaining are 17.

Question 7

Select the set in which the numbers are related in the same way as are the numbers of the following set.
(15, 102, 313)

- A (11, 74, 229)
- B (5, 32, 121)
- C (8, 53, 164)
- D (9, 60, 185)

Answer: A

Explanation:

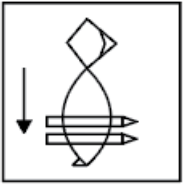
(15, 102, 313) pattern is $15 \times 7 - 3 = 102$ and $15 \times 21 - 2 = 313$

(11, 74, 229) in the same way $11 \times 7 - 3 = 74$ and $11 \times 21 - 2 = 229$

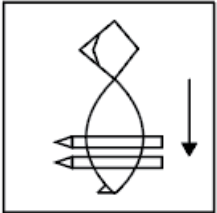
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Question 8

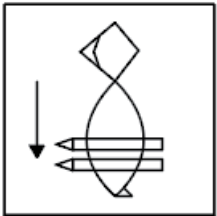
Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.



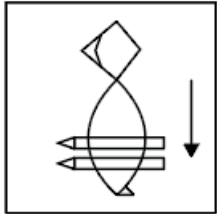
A



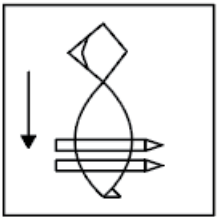
B



C



D



Answer: C

Explanation:

If mirror is placed at right then left will becomes right and right will becomes left and top bottom will be remain same.

Question 9

In a code language, 'CERTAIN' is written as 'XVIGZRM'. How will 'CLIMATE' be written as in that language?

A XONRZGV

B XORNZVG

C XRONZGV

D XORNZGV

Answer: D

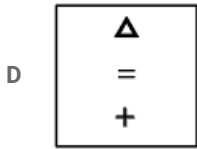
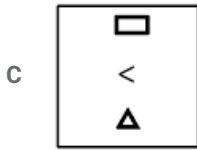
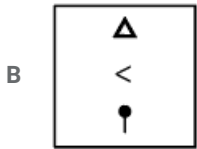
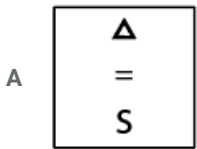
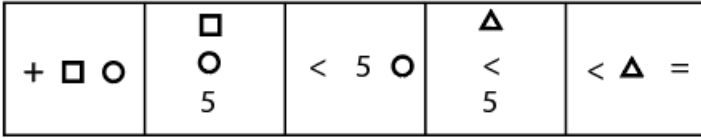
Explanation:

The letters are represented as per their reverse position in the alphabetical series. For example C is the third letter. Hence the third letter from reverse is 'X'. Similarly, E is the fifth letter. Hence the fifth letter from reverse is 'V'.

So, CLIMATE will be similarly coded as 'XQRNZGV'

Question 10

Select the figure that will come next in the following figure series.



Answer: A

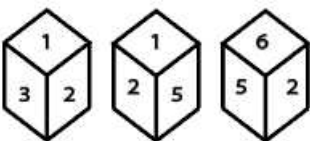
Explanation:

1. Figure is moving in 90 degree in clock wise direction,
2. 1st symbol + from 1st figure is removed from second figure and middle symbol like square comes on the first and symbol circle will become second and third symbol will be new symbol added. This pattern will carry on and in next figure option A will come.

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Question 11

Three different positions of the same dice are shown. Find the number on the face opposite to the one having 1.



A 6

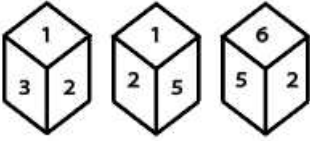
B 2

C 4

D 3

Answer: A

Explanation:



When 1 is on the upper side of the dice then you can easily see the other sides such as 3, 2 in first figure and 5 in second figure.

In second figure 2 and 5 are visible but 3 is not and in third figure 2 and 6 and 6 are visible.

It's clear from the second figure that 3 is behind the 5

third figure shows that 1 is behind the 6

So, 2 is behind the 4.

Question 12

Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.
ab_ba_db_bd_ac_ba_db_cdbabd_

A cdabdbba

B dcdabbab

C dcadbbab

D dcabdbab

Answer: D

Explanation:

Option D is right

ab_ba_db_bd_ac_ba_db_cdbabd_

d c a b d b a b

Observe the letter which i wrote in two lines for your convenience.

You will notice that abdb acdb keeps repeating.

Question 13

From the given alternatives select the numbers that must be interchanged to make the following equation correct.

$$16 - 6 + 12 \times 3 \div 4 = 18$$

A 6 and 3

B 6 and 4

C 12 and 4

D 16 and 3

Answer: B

Explanation:

$$16 - 4 + 12 \times \frac{3}{6}$$

Use Bodmas rule which is simple to use -

It will help you to increase your speed with accuracy.

16 - 4 + 6

22 - 4

18

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Question 14

Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Myopic : Farsighted

- A Trouble : Grief
- B Postpone : Suspend
- C Famous : Obscure
- D Confusion : Chaotic

Answer: C

Explanation:

Myopia - Nearsighted

So here we match the word with its antonym.

If we check out the options then there is only one option whose meaning are opposite to each other.

Famous - obscure (obscure mean which is not famous)

Question 15

Ranga got thrice as many sums wrong as he got right in a mathematics assignment. If he attempted 72 sums in all, how many did he solve correctly in his mathematics assignment?

- A 20
- B 14
- C 16
- D 18

Answer: D

Explanation:

Total number of sums he solved = Right + wrong

Let right and wrong sums = S

$$3S + S = 72$$

$$4S = 72$$

$$S = 18$$

Question 16

T is the sister of D. D is married to P. P is the son of M. T is the mother of J. Y is the father of U. Y has only one son and only one daughter. U is the daughter of T. Q is the son of D. If M is the wife of W, then how is Q related to W?

- A Son-in-law
- B Son

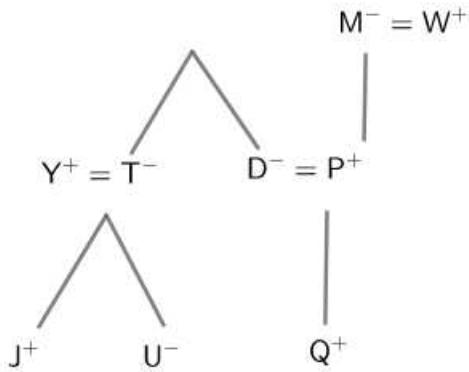
C Grandson

D Nephew

Answer: C

Explanation:

According to the question, the family tree is



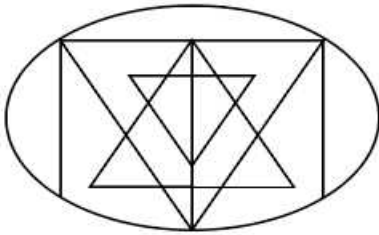
∴ Q is Grandson of W

Hence, the correct answer is Option C.

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Question 17

How many triangles are present in the following figure ?



A 29

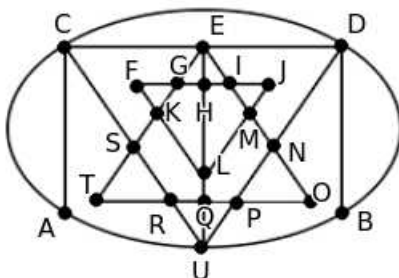
B 27

C 23

D 25

Answer: D

Explanation:



The different triangles in the given figure are FGK, IJM, FLH, JLH, FJL, TSR, NOP, TEQ, OEQ, TEO, EGH, EIH, EGI, EKL, EML, CES, DEN,

CUE, DUE, CUD, RQU, PQU, RPU, ESU, ENU

∴ The number of triangles in the given figure = 25

Hence, the correct answer is Option D

Question 18

Arrange the following words in a logical and meaningful order.

1. Lustrum
2. Century
3. Year
4. Millennium
5. Decade

A 2, 1, 5, 3, 4

B 5, 4, 3, 2, 1

C 5, 1, 3, 2, 4

D 3, 1, 5, 2, 4

Answer: D

Explanation:

YEAR - 1Year

Lustrum - 5 year

Decade - 10 year

Century- 100 year

Millennium - 1000 year

Question 19

In a code language, CONSULTANCY is written as QOJKYOUYJWP. How will MASTERMINDS be written as in that language?

A APOWJIOZJEI

B APOWHIOZJEI

C APOWIHOZJEI

D APOWIIOZJEI

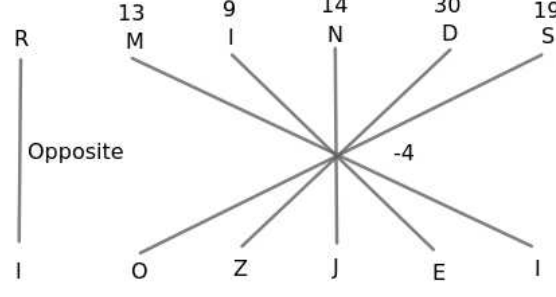
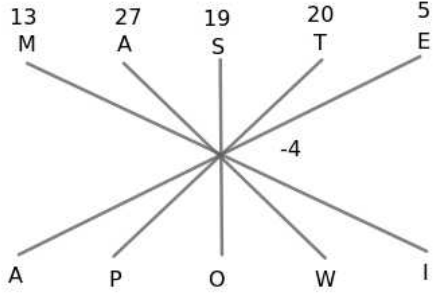
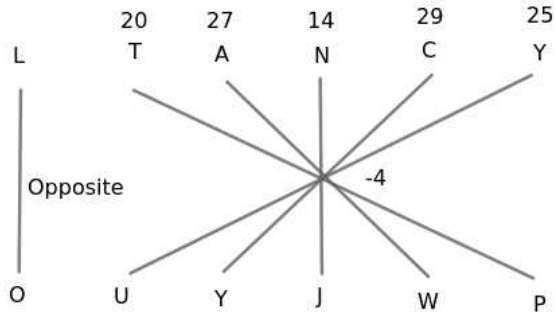
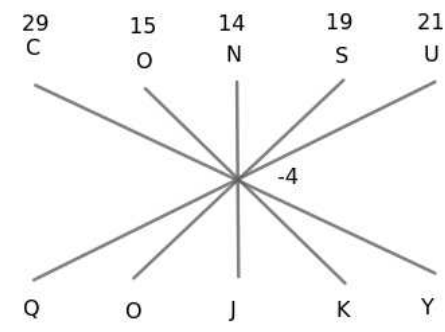
Answer: D

Explanation:

Given,

CONSULTANCY is written as QOJKYOUYJWP in the code language

The logic is shown in the below figure



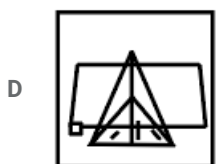
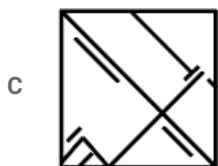
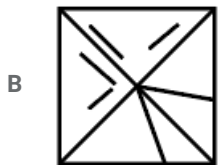
∴ MASTERMINDS will be written as APOWIIIOZJEI in the code language

Hence, the correct answer is Option D

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Question 20

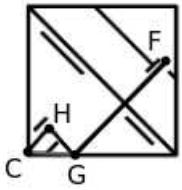
Select the option in which the given figure is embedded.



Answer: C

Explanation:

The given figure is embedded in the third figure as shown below



Hence, the correct answer is Option C

Question 21

Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

- A Italy
- B Austria
- C Germany
- D Singapore

Answer: D

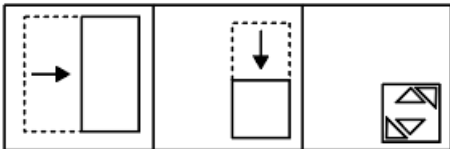
Explanation:

ITALY, AUSTRIA, GERMANY are in same continent - Europe

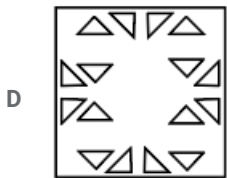
Singapore is in Asia.

Question 22

A paper is folded and cut as shown in the following figures. How will it appear when unfolded ?



- A
- B
- C

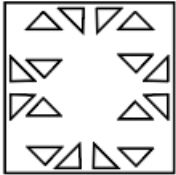


Answer: D

Explanation:

When the paper is cut and unfolded, the pattern of cutting will be similar in the four parts of the paper.

The triangle edges which are not facing each other will be similar in all four parts as shown below



Hence, the correct answer is Option D

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Question 23

₹2100 is divided among P, Q and R in such a way that P's share is half of the combined share of Q and R, and Q's share is one-fourth of the combined share of P and R. By what amount is R's share more than that of P?

- A ₹200
- B ₹250
- C ₹500
- D ₹280

Answer: D

Explanation:

According to the question,

$$P + Q + R = 2100 \dots\dots\dots(1)$$

P's share is half of the combined share of Q and R

$$\Rightarrow P = \frac{Q+R}{2}$$

$$\Rightarrow 2P = Q + R \dots\dots\dots(2)$$

From (1) and (2), $P + 2P = 2100$

$$\Rightarrow P = 700$$

Q's share is one-fourth of the combined share of P and R

$$\Rightarrow Q = \frac{P+R}{4}$$

$$\Rightarrow 4Q = P + R \dots\dots\dots(3)$$

From (1) and (3), $Q + 4Q = 2100$

$$\Rightarrow Q = 420$$

Substituting $P = 700$ and $Q = 420$ in equation(1)

$$700 + 420 + R = 2100$$

$$\Rightarrow R = 980$$

Now, $R - P = 980 - 700 = 280$

So, R's share is 280 more than P's share

Hence, the correct answer is Option D

Question 24

'Cone' is related to 'Ice-cream' in the same way as 'Bowl' is related to '_____':

- A Sip
- B Soap
- C Soup
- D Drink

Answer: C

Explanation:

CONE - ICE CREAM

There is a relation between both. Like we eat ice cream in a cone.

Similarly - in bowl we can take soup only from the options.

Question 25

Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

BANK : WXLJ :: IDOL : _____

- A DAKM
- B DAMK
- C DAMJ
- D ADMK

Answer: B

Explanation:

A B C D E F G H I J K L M

Z Y X W V U T S R Q P O N

-5 -3 -2 -1

B A N K

W X L J

We get- I D O L

D A M K

AFTER using the same method.

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General knowledge

Instructions

For the following questions answer them individually

Question 26

The 'World Blood Donor Day' was celebrated around the world on ____ 2019 with the theme 'Safe blood for all'.

- A 25th May
- B 29th April
- C 16th March
- D 14th June

Answer: D

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Question 27

The quote "The shots that hit me are the last nails to the coffin of British rule in India." belongs to which of the following freedom fighters?

- A Lala Lajpat Rai
- B Chandrashekhar Azad
- C Ram Prasad Bismil
- D Bhagat Singh

Answer: A

Question 28

Who among the following was elected to the board of the International Air Transport Association (IATA) in June 2019?

- A Naresh Goyal
- B Ajay Singh
- C Rahul Bhatia
- D Bhaskar Bhat

Answer: B

Question 29

Former Flipkart executive Sandeep Patil was appointed as India Managing Director of which company in May 2019?

- A Snapdeal
- B TrueCaller
- C Paytm
- D Amazon

Answer: B

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Question 30

In the field of Information & Communication Technology, what is the full form of EEPROM ?

- A Electrically Efficient Programmable Read-Only Memory
- B Enhanced Electrical Portable Read-Only Memory
- C Electrically Erasable Programmable Read-Only Memory
- D Electrically Efficient Portable Read-Only Memory

Answer: C

Question 31

Hertz is the SI unit of:

- A Force
- B Frequency
- C Energy
- D Pressure

Answer: B

Question 32

What is the name of the Young Scientist Programme inaugurated by the Chairman of ISRO in May 2019?

- A Young India-2019
- B Yuva-2019
- C Yuvika-2019
- D Youth-2019

Answer: C

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Question 33

Soorya Festival' is associated to which of the following cities?

- A Chennai
- B Hyderabad
- C Thiruvananthapuram
- D Jaipur

Answer: C

Question 34

Who among the following clinched a gold medal in the women's 25m pistol event at the 2019 ISSF World Cup?

- A Manu Bhaker
- B Heena Sidhu
- C Devanshi Rana
- D Rahi Sarnobat

Answer: D

Question 35

The winners of the 2019 ICC men's World Cup will earn a cash award of _____ which is the highest prize money on offer in the history of the tournament.

- A \$4 million
- B \$2 million
- C \$6 million
- D \$5 million

Answer: A

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Question 36

'Financial Literacy Week 2019' is an initiative by which bank to promote awareness on key topics every year through a focused campaign?

- A ICICI Bank
- B State Bank of India
- C Indian Bank
- D Reserve Bank of India

Answer: D

Question 37

The National Institute of Nutrition is located in:

- A Mumbai
- B Hyderabad
- C Indore
- D Shillong

Answer: B

Question 38

In which state is the Mundra Power Plant located?

- A Odisha
- B Madhya Pradesh
- C Gujarat
- D Chhattisgarh

Answer: C

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Question 39

Which one of the following Union Territories has been granted with partial statehoodship?

- A Daman and Diu
- B Puducherry
- C Lakshadweep
- D Dadra and Nagar Haveli

Answer: B

Question 40

Which of the following countries hosted the Asian Cup Football tournament in 2019?

- A Singapore
- B UAE
- C South Korea
- D China

Answer: B

Question 41

The Himalayas belong to which of the following categories of mountains?

- A Fault-block Mountain
- B Fold Mountain
- C Dome Mountain
- D Plateau Mountain

Answer: B

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Question 42

In the solar system, among the planets listed below, which planet is farthest from the Sun?

- A Neptune
- B Jupiter
- C Mars
- D Venus

Answer: A

Question 43

Which State Government increased the financial aid given to girls under the 'Aapki Beti' scheme in May 2019?

- A Sikkim
- B Odisha
- C Rajasthan
- D Assam

Answer: C

Question 44

In which state is Sambhar, the largest inland salt water lake of India located?

- A Maharashtra
- B Andhra Pradesh
- C Odisha
- D Rajasthan

Answer: D

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Question 45

The investment and financial services major Goldman Sachs has sanctioned \$250 million to construct one of its largest global workspaces in _____.

- A Chennai
- B Gurugram
- C Bengaluru
- D Pune

Answer: C

Question 46

In Lok Sabha 2019 Elections, Congress won _____ seats out of the 13 Lok Sabha seats of Punjab.

- A 8
- B 5
- C 6
- D 10

Answer: A

Question 47

Pivot Table' is a feature of which of the following softwares?

- A Microsoft PowerPoint
- B Microsoft Access
- C Microsoft Word
- D Microsoft Excel

Answer: D

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Question 48

Which eminent novelist and poet of the 20th century is the author of 'Pinjar'?

- A Bhawani Prasad Mishra
- B Prabha Kiran Jain
- C Amrita Pritam
- D Harivansh Rai Bachchan

Answer: C

Question 49

In May 2019, which of the following companies announced that it would stop selling its smartphones in India?

- A OnePlus
- B Apple
- C Sony
- D Samsung

Answer: C

Question 50

In which year was Satya Shodhak Samaj founded by Jyotirao Phule?

- A 1865
- B 1861

C 1870

D 1873

Answer: D

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Quant

Instructions

For the following questions answer them individually

Question 51

If $x^2 + 1 = 3x$, then the value of $\frac{(x^4 + x^{-2})}{(x^2 + 5x + 1)}$ is:

A $3\frac{1}{2}$

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

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

D $2\frac{1}{3}$

Answer: C

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Question 52

A circle is inscribed in a quadrilateral ABCD, touching sides AB, BC, CD and DA at P, Q, R and S, respectively. If AS = 8 cm, BC = 11 cm, and CR = 5 cm, then the length AB is equal to:

A 14cm

B 16cm

C 12cm

D 13cm

Answer: A

Question 53

A simplified value of $\left(\frac{\sin \theta}{1 + \cos \theta} + \frac{1 + \cos \theta}{\sin \theta}\right) \left(\frac{1}{\tan \theta + \cot \theta}\right)$ is:

A $2 \sin \theta$

B $\cos \theta$

C $\sin \theta$

D $2 \cos \theta$

Answer: D

Explanation:

$$\left(\frac{\sin \theta}{1+\cos \theta} + \frac{1+\cos \theta}{\sin \theta} \right) \left(\frac{1}{\tan \theta + \cot \theta} \right)$$

Taking LCM and replace $\tan \theta = \frac{\sin \theta}{\cos \theta}$, $\cot \theta = \frac{\cos \theta}{\sin \theta}$

$$\left(\frac{\sin^2 \theta + (1+\cos \theta)^2}{\sin \theta(1+\cos \theta)} \right) \left(\frac{\sin \theta \cos \theta}{\cos \theta + \sin \theta} \right)$$

$$\left(\frac{\sin^2 \theta + (1+\cos \theta)^2}{\sin \theta(1+\cos \theta)} \right) \left(\frac{\sin^2 \theta + \cos^2 \theta}{\cos \theta \sin \theta} \right)$$

$$\left(\frac{\sin^2 \theta + (1+\cos \theta)^2}{\sin \theta(1+\cos \theta)} \right) \left(\frac{\cos \theta \sin \theta}{\sin^2 \theta + \cos^2 \theta} \right)$$

$$\left(\frac{\sin^2 \theta + (1+\cos \theta)^2}{\sin \theta(1+\cos \theta)} \right) (\cos \theta \sin \theta)$$

$$\left(\frac{\sin^2 \theta + (1+\cos^2 \theta + 2 \cos \theta)}{(1+\cos \theta)} \right) (\cos \theta)$$

$$\left(\frac{2+2 \cos \theta}{(1+\cos \theta)} \right) (\cos \theta)$$

$$2 \cos \theta$$

Question 54

If $40\sqrt{5}x^3 - 3\sqrt{3}y^3 = (2\sqrt{5}x - \sqrt{3}y) \times (Ax^2 + Bxy + Cy^2)$, then what is the value of $\sqrt{B^2 + C^2 - A}$

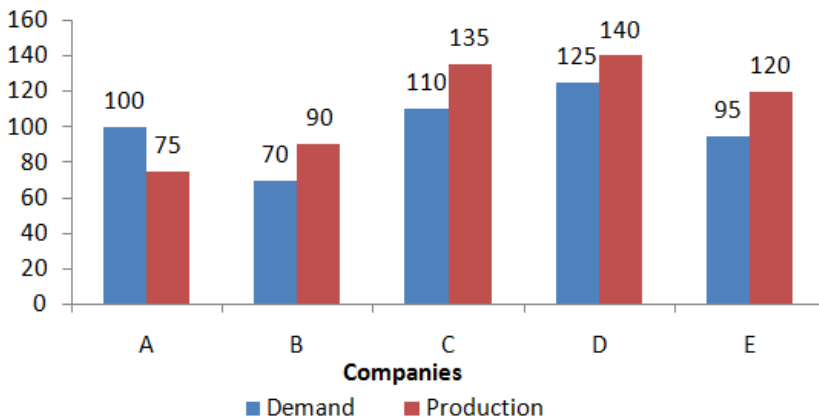
- A 9
- B 11
- C 7
- D 8

Answer: C

SSC CHSL Important Questions and Answers (Download PDF)

Question 55

The given Bar Graph presents the Demand and Production of motorcycles of five companies (in lakhs).



The total Production of motorcycles of companies B and D taken together is what percent of the Demand of motorcycles of all the companies taken together?

- A 48%
- B 40%
- C 46%

D 38%

Answer: C

Explanation:

Total production of B & D we have to add $90+140 = 230$

Total demand of all the motorcycle we have to add $100+70+110+125+95 = 500$

$\% = 230/500 \times 100$

We get the solution - 46

Question 56

$$(\cos 9^\circ + \sin 81^\circ)(\sec 9^\circ + \operatorname{cosec} 81^\circ)$$

The value of $\sin 56^\circ \sec 34^\circ + \cos 25^\circ \operatorname{cosec} 65^\circ$ is:

A 1

B 4

C 2

D $\frac{1}{2}$

Answer: C

Explanation:

Given that,

$$\begin{aligned} & (\cos 9^\circ + \sin 81^\circ)(\sec 9^\circ + \operatorname{cosec} 81^\circ) \\ & \sin 56^\circ \sec 34^\circ + \cos 25^\circ \operatorname{cosec} 65^\circ \\ & (\cos 9^\circ + \cos(90^\circ - 81^\circ))(\sec 9^\circ + \sec(90^\circ - 81^\circ)) \\ = & \sin 56^\circ \operatorname{cosec}(90^\circ - 34^\circ) + \cos 25^\circ \sec(90^\circ - 65^\circ) \\ & (\cos 9^\circ + \cos(9^\circ))(\sec 9^\circ + \sec(9^\circ)) \\ = & \sin 56^\circ \operatorname{cosec}(56^\circ) + \cos 25^\circ \sec(25^\circ) \\ & \left(\frac{2 \cos 9^\circ}{\sin 56^\circ}\right) \left(\frac{2 \sec 9^\circ}{\cos 25^\circ}\right) \\ = & \sin(56^\circ) + \sec(25^\circ) \end{aligned}$$

4

= 2

= 2

Question 57

The radius of the base of a cylinder is 7 cm and its curved surface area is 440 cm^2 . Its volume (in cm^3) will be: (Take $\pi = \frac{22}{7}$)

A 1760

B 1430

C 1540

D 1650

Answer: C

Explanation:

Let the height of the cylinder = h

It is given that radius of base of the cylinder = 7cm

surface area of the curved surface of the cylinder = 440cm^2

$$\pi = \frac{22}{7}$$

We know that, surface area of the curved part of the cylinder = $2\pi \times r \times h$

Now, substituting the values,

$$2\pi \times r \times h = 440$$

$$2 \times \frac{22}{7} \times 7 \times h = 440$$

$$h = 2 \times 22$$

$$h = 10\text{cm}$$

Hence, the volume of the cylinder $V = \pi r^2 h$

$$V = \frac{22}{7} \times 7^2 \times 10$$

$$V = 22 \times 7 \times 10 = 1540\text{cm}^3$$

SSC CHSL Study Material

Question 58

Anu spends 90% of her income. If her expenditure increases by 25% and savings increase by 30%, then by what percent does her salary increase?

- A 22.5%
- B 20%
- C 24%
- D 25.5%

Answer: D

Explanation:

Let initially Anu was getting = XR s.

$$\frac{90 \times X}{100} = \frac{9X}{10}$$

So, initial expenditure = $\frac{9X}{10}$

$$\frac{10X}{100} = \frac{X}{10}$$

and initial savings = $\frac{X}{10}$

As per the condition, expenditure increased by 25%. So $\frac{9X}{10} + \frac{9X}{10} \times \frac{25}{100} = \frac{45X}{40} = \frac{9X}{8}$

Saving increase by 30%. So $\frac{X}{10} + \frac{X}{10} \times \frac{30}{100} = \frac{13X}{100}$

Hence, New salary = total expenditure + total saving = $\frac{9X}{8} + \frac{13X}{100} = \frac{251X}{200}$

$$\left(\frac{251X}{200} - X \right) \times 100$$

Hence, percentage of increase Anu's salary = $\frac{X}{200}$

$$= \frac{(251X - 200X) \times 100}{200 \times X}$$

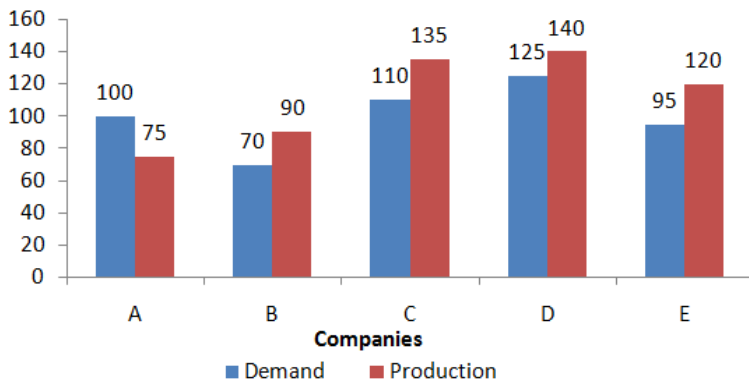
$$= \frac{51X}{2X}$$

$$= 25.5\%$$

= 25.5%

Instructions

The given Bar Graph presents the Demand and Production of motorcycles of five companies (in lakhs).



Question 59

The company in which the Production of motorcycles is approximately 23% more than the Demand is:

- A D
- B B
- C E
- D C

Answer: D

Explanation:

As we can see the bar graph,

Calculation for For company A-

$$\text{Production of motorcycles with respect to demand} = \frac{(Production - Demand) \times 100}{Production}$$
$$= \frac{(75 - 100) \times 100}{100} = -33.33$$

Calculation for For company B-

$$\text{Production of motorcycles with respect to demand} = \frac{(Production - Demand) \times 100}{Production}$$
$$= \frac{(90 - 70) \times 100}{90} = 22.22$$

Calculation for For company C-

$$\text{Production of motorcycles with respect to demand} = \frac{(Production - Demand) \times 100}{Production}$$
$$= \frac{(135 - 110) \times 100}{135} = 25.92$$

Calculation for For company D-

$$\text{Production of motorcycles with respect to demand} = \frac{(Production - Demand) \times 100}{Production}$$
$$= \frac{(140 - 125) \times 100}{140} = 10.71$$

Calculation for For company E-

$$\frac{(Production - Demand) \times 100}{Production}$$

Production of motorcycles with respect to demand

$$= \frac{(120 - 95) \times 25 \times 100}{120} = \frac{25 \times 100}{120} = 20.83$$

Hence, from the above company C reaching the condition. which is approximately 23%

Question 60

What is the ratio of the total Demand of motorcycles of companies A and D taken together to the Production of motorcycles of company C?

- A 5 : 3
- B 8 : 5
- C 13 : 9
- D 9 : 7

Answer: A

Explanation:

As per the Bar graph,

The number of demand of motorcycle of company A = 100

The number of demand of motorcycle of company D = 125

If A and D taken together, then the combine demand of the motorcycle = 100 + 125 = 225

The number of production of motorcycle of company C = 135

Hence, the required ratio 225 : 135 = 5 : 3

SSC CHSL Free App

Instructions

For the following questions answer them individually

Question 61

If $3 - 2 \sin^2 \theta - 3 \cos \theta = 0$, $0^\circ < \theta < 90^\circ$, then what is the value of $(2 \operatorname{cosec} \theta + \tan \theta)$?

- A $7\sqrt{3}$
- B $5\sqrt{3}$
- C $\frac{5\sqrt{3}}{3}$
- D $\frac{7\sqrt{3}}{3}$

Answer: D

Explanation:

Given that,

$$3 - 2 \sin^2 \theta - 3 \cos \theta = 0$$

$$1 + 2 - 2 \sin^2 \theta - 3 \cos \theta = 0$$

$$1 + 2(1 - \sin^2 \theta) - 3 \cos \theta = 0$$

$$1 + 2(\cos^2 \theta) - 3 \cos \theta = 0$$

$$2 \cos^2 \theta - 3 \cos \theta + 1 = 0$$

$$\text{let } \cos \theta = x$$

$$\text{So, } 2x^2 - 3x + 1 = 0$$

$$2x^2 - 2x - x + 1 = 0$$

$$2x(x - 1) - 1(x - 1) = 0$$

$$(x - 1)(2x - 1) = 0$$

So, $X = 1$ and $X = 1/2$

Hence, $\cos \theta = \cos 0$ or $\cos \theta = \cos 60$

Hence, $\theta = 0$ or $\theta = 60^\circ$

But, $0^\circ < \theta < 90^\circ$ so, here $\theta = 0$ will be neglected.

Now, substituting the value $\theta = 60^\circ$

$(2 \operatorname{cosec} \theta + \tan \theta)$

$$(2 \operatorname{cosec} 60 + \tan 60) = \sqrt{3} + \sqrt{3} = \sqrt{3}$$

Now multiply and divide by $\sqrt{3}$

$$\frac{7 \times \sqrt{3}}{\sqrt{3} \times \sqrt{3}}$$

$$= \frac{7\sqrt{3}}{3}$$

$$= 3$$

Question 62

The total number of students in class A and B is 96. The number of students in A is 40% more than that in B. The average weight (in kg) of the students in B is 50% more than that of the students in A. If the average weight of all the students in A and B taken together is 58 kg, then what is the average weight of the students in B?

A 48 kg

B 60 kg

C 66 kg

D 72 kg

Answer: D

Explanation:

Given that,

total number of student in class A and B = 96

Let total number of student in B = X

$$\text{As per the condition, the number of student in the class A} = X + \frac{40 \times X}{100} = \frac{7X}{5}$$

$$\text{Hence, } \frac{7X}{5} + X = 96$$

$$12X = 96 \times 5$$

$$X = 40$$

So number of student class B = 40

$$\text{Number of student in class A} = \frac{7X}{5} = \frac{7 \times 40}{5} = 56$$

Let the average weight of the class A be W

$$\text{then, average weight of class B} = W + \frac{W \times 50}{100} = \frac{3W}{2}$$

$$\frac{3W \times 40}{2} + 56 \times W$$

$$\text{Now, } \frac{96}{116W} = 58$$

$$96 = 58$$

$$58 \times 96$$

$$W = 116$$

$$W = 48$$

$$\text{Hence, the average weight of class B} = \frac{3W}{2} = \frac{3 \times 48}{2} = 72 \text{ kg}$$

Question 63

Abhi sold two articles for ₹5,220 each. On one, he gained 16% and on the other, he lost 10%. His profit or loss on the whole was:

- A Loss, ₹130
- B Profit, ₹180
- C Profit, ₹140
- D Loss, ₹125

Answer: C

Explanation:

It is given that the price of the each two article = 5220

Let the cost price of the first article = x R

On the first article, he gained profit 16%

$$\text{So, Profit} = \frac{(\text{Sellingprice} - \text{Costprice}) \times 100}{\text{costprice}}$$

$$16 = \frac{(5220 - x) \times 100}{x}$$

$$16x = 5220 \times 100 - 100x$$

$$116x = 5220 \times 100$$

$$x = \frac{5220 \times 100}{116} = 4500$$

So, profit amount = $5220 - 4500 = 720$ Rs

Let cost price of the second article = Y

On the second article he lost 10%

$$\text{So, loss} = \frac{(\text{Costprice} - \text{Sellingprice}) \times 100}{\text{costprice}}$$

$$10 = \frac{(Y - 5220) \times 100}{Y}$$

$$10Y = 100Y - 5220 \times 100$$

$$90Y = 5220 \times 100$$

$$Y = \frac{5220 \times 100}{90} = 5800 \text{Rs.}$$

Hence, loss amount on the second article = $5800 - 5220 = 580$ Rs.

Hence, net gain = $720 - 580 = 140$ Rs.

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Question 64

In $\triangle ABC$, $\angle A = 90^\circ$. If BL and CM are the medians, then:

- A $4(BL^2 + CM^2) = 5BC^2$

B $3(BL^2 + CM^2) = 4BC^2$

C $4(BL^2 + CM^2) = 3BC^2$

D $5(BL^2 + CM^2) = 4BC^2$

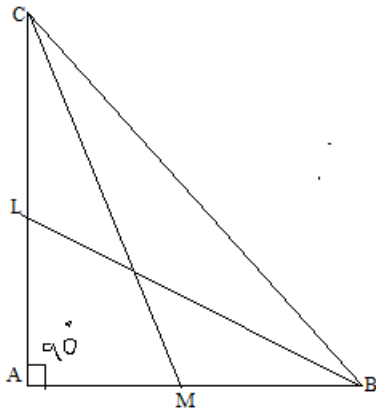
Answer: A

Explanation:

It is given the question that,

$\triangle ABC$, $\angle A = 90^\circ$

BL and CM are the medians, so $AL = LC = \frac{AC}{2}$ and $AM = MB = \frac{AB}{2}$



Now, in the right angled triangle $\triangle CAM$, applying the Pythagoras theorem

$$AC^2 + AM^2 = CM^2 \text{-----(i)}$$

In the right angled triangle $\triangle LAB$, applying the Pythagoras theorem

$$AL^2 + AB^2 = LB^2 \text{-----(ii)}$$

in the right angled triangle $\triangle CAB$, applying the Pythagoras theorem

$$AC^2 + AB^2 = BC^2 \text{-----(iii)}$$

From the equation (i) and (ii)

$$AC^2 + AM^2 + AL^2 + AB^2 = CM^2 + LB^2$$

$$AC^2 + \left(\frac{AB}{2}\right)^2 + \left(\frac{AC}{2}\right)^2 + AB^2 = CM^2 + LB^2$$

$$AC^2 + \frac{AB^2}{4} + \frac{AC^2}{4} + AB^2 = CM^2 + LB^2$$

$$\frac{5AB^2}{4} + \frac{5AC^2}{4} = CM^2 + LB^2$$

$$5\left(\frac{AB^2}{4} + \frac{AC^2}{4}\right) = CM^2 + LB^2$$

$$5(AB^2 + AC^2) = 4(CM^2 + LB^2) \text{-----(iv)}$$

From the equation (iii) and (iv)

$$4(CM^2 + LB^2) = 5BC^2$$

$$4(BL^2 + CM^2) = 5BC^2$$

Question 65

If $a + b + c = 5$, and $a^2 + b^2 + c^2 = 33$, then what is the value of $a^3 + b^3 + c^3 - 3abc$?

A 195

B 185

C 180

D 192

Answer: B

Explanation:

Given that,

$$a + b + c = 5$$

$$a^2 + b^2 + c^2 = 33$$

$$\text{From the identity } a^3 + b^3 + c^3 - 3abc = (a + b + c)(a^2 + b^2 + c^2 - ab - bc - ca) \text{-----(i)}$$

$$\text{But we know that } (a + b + c)^2 = a^2 + b^2 + c^2 + 2(ab + bc + ca) \text{-----(ii)}$$

now substituting the values in the equation(ii)

$$5^2 = 33 + 2(ab + bc + ca)$$

$$2(ab + bc + ca) = 25 - 33 = -8$$

$$(ab + bc + ca) = -4 \text{-----(iii)}$$

Now from the equation (i) and (iii)

$$a^3 + b^3 + c^3 - 3abc = (a + b + c)(a^2 + b^2 + c^2 - (ab + bc + ca))$$

Now substituting the values in the above equation

$$a^3 + b^3 + c^3 - 3abc = (5)(33 - (-4))$$

$$a^3 + b^3 + c^3 - 3abc = (5)(33 + 4)$$

$$a^3 + b^3 + c^3 - 3abc = (5)(37)$$

$$a^3 + b^3 + c^3 - 3abc = 185$$

Question 66

What is the compound interest on a sum of ₹4,096 at 15% p.a. for $2\frac{1}{2}$ years, if the interest is compounded 10-monthly?

A ₹1,736

B ₹1,763

C ₹1,636

D ₹1,726

Answer: A

Explanation:

Given that the sum amount=Rs 4,096

Rate of interest= 15%pa

$$\text{time} = 2\frac{1}{2} = 2 \text{ year}$$

$$\text{So, total number of month} = \frac{5 \times 12}{2} = 30 \text{month}$$

so total of 10 month (n) = 3

$$\text{Hence, rate of interest compounded per 10month } r = \frac{15 \times 10}{12} = 25\%$$

$$\text{Now, } A = P(1 + \frac{r}{100})^n$$

Substituting the values,

$$\Rightarrow A = 4096(1 + \frac{25}{100})^3$$

$$\Rightarrow A = 4096(1 + \frac{1}{4})^3$$

$$\Rightarrow A = 4096(8)^3$$

$$\Rightarrow A = 4096 \times 8 \times 8 \times 8$$

$$\Rightarrow A = 8 \times 9 \times 9 \times 9 = 5832 \text{ Rs.}$$

Hence, the required interest = $5832 - 4096 = 1736 \text{ Rs.}$

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Question 67

In a circle, chords AB and CD intersect each other at E. If $CD = 18 \text{ cm}$, $DE = 6 \text{ cm}$ and $AE = 18 \text{ cm}$, then $BE = ?$

A 3 cm

B 4 cm

C 8 cm

D 6 cm

Answer: B

Explanation:

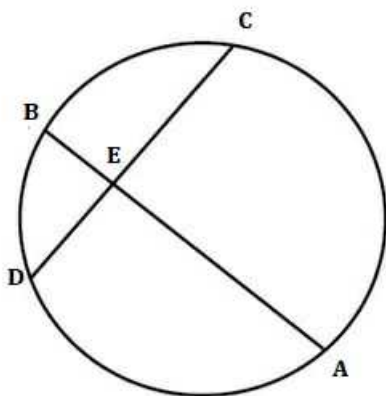
It is given that,

The chord of the circle $CD = 18 \text{ cm}$

$DE = 6 \text{ cm}$

$AE = 18 \text{ cm}$

$BE = ?$



We know that intersecting chord theorem says that when two chords intersect each other in a circle then product of segments are equal.

$$\text{Hence, } AE \times EB = CE \times ED$$

Now, substituting the values

$$\Rightarrow 18 \times EB = (CE - ED) \times ED$$

$$\Rightarrow 18 \times EB = (18 - 6) \times 6$$

$$\Rightarrow EB = 12 \times 6$$

$$\Rightarrow EB = 4 \text{ cm}$$

Question 68

If $3 \cos^2 A + 6 \sin^2 A = 3$, $0^\circ \leq A \leq 90^\circ$, then the value of A is:

- A 45°
- B 30°
- C 90°
- D 0°

Answer: D

Explanation:

It is given that,

$$3 \cos^2 A + 6 \sin^2 A = 3 \text{ --- (i)}$$

And $0^\circ \leq A \leq 90^\circ$

Now, We can write the equation as below

$$3 \cos^2 A + 3 \sin^2 A + 3 \sin^2 A = 3$$

$$\Rightarrow 3(\cos^2 A + \sin^2 A) + 3 \sin^2 A = 3$$

From the trigonometric identity, we know that $\cos^2 A + \sin^2 A = 1$

$$\Rightarrow 3 \times 1 + 3 \sin^2 A = 3$$

$$\Rightarrow 3 + 3 \sin^2 A = 3$$

$$\Rightarrow 3 \sin^2 A = 0$$

$$\Rightarrow \sin A = 0 = \sin 0$$

Hence, $A = 0$

Question 69

Let $\triangle ABC \sim \triangle PQR$ and $\frac{\text{ar}(\triangle ABC)}{\text{ar}(\triangle PQR)} = \frac{9}{16}$. If $AB = 12$ cm, $BC = 6$ cm and $AC = 9$ cm, then QP is equal to:

- A 16 cm
- B 8 cm
- C 9 cm
- D 12 cm

Answer: A

Explanation:

As per the question,

$$\triangle ABC \sim \triangle PQR$$

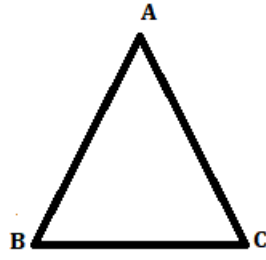
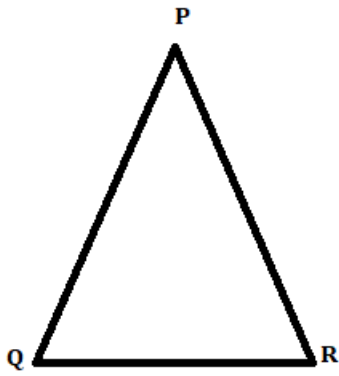
$$\frac{\text{ar}(\triangle ABC)}{\text{ar}(\triangle PQR)} = \frac{9}{16}$$

$$AB = 12$$

$$BC = 6$$

$$AC = 9 \text{ cm}$$

We know that, if two triangles are similar then,



$$\frac{\text{ar}(\triangle ABC)}{\text{ar}(\triangle PQR)} = \frac{AB^2}{PQ^2} = \frac{BC^2}{QR^2} = \frac{AC^2}{PR^2}$$

Now substituting the values,

$$\Rightarrow \frac{\text{ar}(\triangle ABC)}{\text{ar}(\triangle PQR)} = \frac{12^2}{PQ^2} = \frac{9}{16}$$

$$\Rightarrow \frac{144}{PQ^2} = \frac{9}{16}$$

Taking square root of both side,

$$\Rightarrow \frac{12}{PQ} = \frac{3}{4}$$

$$\Rightarrow PQ = \frac{12 \times 4}{3}$$

$$\Rightarrow PQ = 16\text{cm}$$

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Question 70

A train x running at 84 km/h crosses another train y running at 52 km/h in opposite direction in 12 seconds. If the length of y is two-third that of x, then what is the length of x?

- A 408 m
- B 250 m
- C 272 m
- D 242 m

Answer: C

Explanation:

It is given that,

Speed of train X = 84 Km/hour

Speed of train Y = 52 Km/hour

Both trains are crossing each other in the time $t = 12\text{Sec}$

Both the trains are running in the opposite direction, so the net relative speed = $84 + 52 = 136\text{Km/hour} = \frac{136 \times 1000}{60 \times 60} = 340$ m/s

Let the length of the train X = l

So, length of the train $Y = 3$

Both train X and Y will cross each other if total distance = total length of the train

Then, total length of the both the combine train = $l + 3 = 3$

$\Rightarrow \text{time}(t) = \frac{\text{distance}}{\text{speed}}$

$$\Rightarrow 12 = \frac{5l}{3 \times (9)}$$

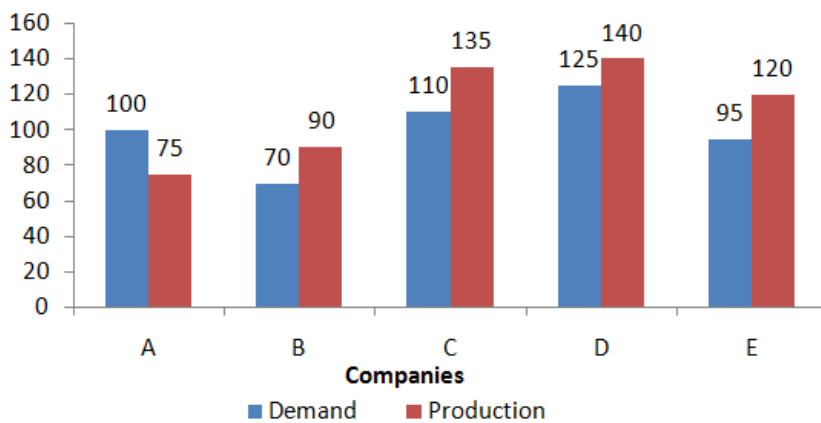
$$\Rightarrow 12 = \frac{5l \times 3}{340}$$

$$\Rightarrow 4080 = 15l$$

Hence, $l = 272m$

Question 71

The given Bar Graph presents the Demand and Production of motorcycles of five companies(in lakhs).



The average Production of motorcycles of companies B, C and E taken together is what percent less than the Demand of motorcycles of D ?

- A 6%
- B 9.3%
- C 8%
- D 8.7%

Answer: C

Explanation:

The total number of production of motorcycles from companies B, C and E = $90 + 135 + 120 = 345$

So, Average number of production of motorcycles from companies B, C and E = $\frac{345}{3} = 115$

Demand of motorcycles from company D = 125

Hence, the required percentage = $\frac{(125 - 115) \times 100}{125} = \frac{10 \times 100}{125}$

$$= \frac{1000}{125} = 8\%$$

Question 72

If $a^3 + b^3 = 110$ and $a + b = 5$, then $(a + b)^2 - 3ab$ is equal to:

- A 42
- B 32
- C 22
- D 52

Answer: C

Explanation:

Given that,

$$a^3 + b^3 = 110 \text{ and } a + b = 5$$

$$\text{or } (a + b)^2 = 25$$

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

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

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

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

Now, substituting the values

$$\Rightarrow 110 = 5(25 - 3ab)$$

$$\Rightarrow 22 = (25 - 3ab)$$

$$\Rightarrow 3ab = 25 - 22 = 3$$

So,

$$(a + b)^2 - 3ab = 25 - 3 = 22$$

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Question 73

In an examination, the success to failure ratio was 5 : 2. Had the number of failures been 14 more, then the success to failure ratio would have been 9 : 5. The total number of candidates who appeared for the examination was:

- A 126
- B 210
- C 196
- D 203

Answer: C

Explanation:

$$\text{number of success student} = 5$$

$$\text{As per the question number of failed student} = 2$$

$$\text{Hence, number of success student } = 5k \text{ and number of failed student } = 2k$$

$$\text{so, total number of appeared student } = 5k + 2k = 7k$$

According to the question's condition,

$$5k - 14 = 9$$

$$2k + 14 = 5$$

$$\text{Hence, } 25k - 70 = 18k + 126$$

$$25k - 18k = 126 + 70$$

$$7k = 196$$

$$196$$

$$k = \frac{196}{7} = 28$$

$$\text{Hence, total number of candidates appeared in the exam } = 7 \times k = 7 \times 28 = 196$$

Question 74

A and B, working together, can complete a work in 16 days, C and A together can complete it in 32 days, B and C together can complete it in 24 days. They worked together for 12 days. In how many days will C alone complete the remaining work ?

- A 36
- B 32
- C 45
- D 40

Answer: A

Explanation:

Let A, B and C can finish the work in x , y and z days respectively.

$$\text{So, A's one day's work} = \frac{1}{x}$$

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

$$\text{C's one day's work} = \frac{1}{z}$$

A and B working together can complete the work = 16 days.

$$\text{So, A and B together will finish the work in one day, } \frac{1}{x} + \frac{1}{y} = \frac{1}{16} \text{ ----(i)}$$

C and A together can finish the work in = 32 days

$$\text{So, C and A together will finish the work in one day } \frac{1}{x} + \frac{1}{z} = \frac{1}{32} \text{ ----(ii)}$$

B and C together can finish the work in = 24 days

$$\text{So, B and C together can finish the work in one day } \frac{1}{y} + \frac{1}{z} = \frac{1}{24} \text{ ----(iii)}$$

Now, From equation (i), (ii) and (iii)

$$\frac{1}{x} + \frac{1}{y} + \frac{1}{x} + \frac{1}{z} + \frac{1}{y} + \frac{1}{z} = \frac{1}{16} + \frac{1}{32} + \frac{1}{24}$$

$$\frac{2}{x} + \frac{2}{y} + \frac{2}{z} = \frac{13}{96}$$

$$\frac{1}{x} + \frac{1}{y} + \frac{1}{z} = \frac{13}{192}$$

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Hence, if they are working together, they can finish the work in one day = $\frac{13}{192}$

Substituting the value from the equation (i)

$$\frac{1}{z} = \frac{13}{192} - \left(\frac{1}{16}\right)$$

$$\frac{1}{z} = \frac{13 - 12}{192}$$

$$1 - \frac{1}{192}$$

$$z = 192$$

So, C can finish one work in 192 days.

As per the question, they worked for 12 days,

$$\text{So, remaining work after 12 days} = 1 - \frac{12 \times 13}{192}$$

$$= \frac{192 - 156}{192}$$

$$= \frac{36}{192}$$

C can finish one work in 192 days

$$\text{Hence, C can finish } \frac{36}{192} \text{ work in } = \frac{192 \times 36}{192} = 36 \text{ days}$$

Question 75

In $\triangle ABC$, $AD \perp BC$ at D and AE is the bisector of $\angle BAC$, $\angle B = 72^\circ$ and $\angle C = 26^\circ$, then what is the measure of $\angle DAE$?

- A 25°
- B 37°
- C 23°
- D 49°

Answer: C

Explanation:

As per the question,

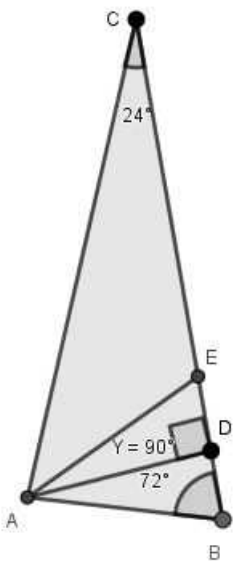
It is given that, $AD \perp BC$

AE is the bisector of $\angle BAC$

$$\angle B = 72^\circ$$

$$\angle C = 26^\circ$$

Now, As per the diagram,



$$\text{In } \triangle ABC, \angle A + \angle B + \angle C = 180$$

$$= \angle A = 180 - (\angle B + \angle C)$$

$$= \angle A = 180 - (72 + 26)$$

$$= \angle A = 82$$

as per the question, AE is the bisector of $\angle A$,

$$\text{So, } \angle BAE = \angle CAE = 41^\circ$$

Now, In $\triangle ADC$

$$\angle DAC + \angle D + \angle C = 180$$

$$\angle DAC = 180 - \angle D - \angle C$$

$$\angle DAC = 180 - 90 - 26 = 64^\circ$$

$$\text{Hence, } \angle DAE = \angle DAC - \angle CAE = 64^\circ - 41^\circ = 23^\circ$$

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English

Instructions

For the following questions answer them individually

Question 76

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select **No improvement**.

The children are too young to sit up a long lecture.

- A sit across
- B No improvement
- C sit away
- D sit through

Answer: D

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Question 77

Select the wrongly spelt word.

- A emporium
- B emolument
- C emmision
- D emphasis

Answer: C

Question 78

Select the most appropriate meaning of the given idiom.
Spill the beans

- A frighten someone
- B create difficulty
- C reveal a secret
- D make an excuse

Answer: C

Question 79

Select the word which means the same as the group of words given.
That which cannot be taken by force

- A inaccessible
- B impregnable
- C inapprehensible
- D immutable

Answer: B

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Question 80

Select the word which means the same as the group of words given.
A large impressive house

- A cabin
- B fort
- C shack
- D mansion

Answer: D

Question 81

Select the most appropriate antonym of the given word.
CORROBORATE

- A contradict
- B confirm
- C approve
- D verify

Answer: A

Question 82

In the sentence identify the segment which contains the grammatical error.
The Cannes Film Festival attract some of the world's most famous people.

- A the world's
- B most famous people
- C attract some of
- D The Cannes Film Festival

Answer: C

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Question 83

Select the most appropriate antonym of the given word.

MOROSE

- A cheerful
- B unsatisfied
- C mournful
- D sullen

Answer: A

Question 84

Select the correct passive form of the given sentence.

Bill Gates has given away twenty seven percent of his wealth in charity.

- A Bill Gates has been given away by twenty seven percent of his wealth in charity.
- B Twenty seven percent of his wealth has given away Bill Gates in charity.
- C Twenty seven percent of his wealth has been given away by Bill Gates in charity.
- D Twenty seven percent of his wealth had been given away by Bill Gates in charity.

Answer: C

Question 85

Select the correct indirect form of the given sentence.

I asked the shopkeeper, "What is the price of this bike?"

- A I asked the shopkeeper that what the price of this bike was.
- B I asked the shopkeeper what is the price of this bike.
- C I asked the shopkeeper what the price of that bike was.
- D I asked the shopkeeper what was the price of that bike.

Answer: C

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Question 86

Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. In a small town in England, there lived a poor little girl.
- B. She was very excited but her right shoe was worn out.
- C. So, she went to a cobbler to get it mended.
- D. Her friend invited her to come to her birthday party.

- A ACBD
- B CBAD
- C ADBC
- D DCAB

Answer: C

Question 87

In the sentence identify the segment which contains the grammatical error.

Different-coloured natural foods not only put a smile on children's faces and also benefit their overall growth.

- A put a smile on children's faces
- B Different-coloured natural foods
- C benefit their overall growth
- D and also benefit

Answer: D

Question 88

Select the most appropriate word to fill in the blank.

Financial institutions that had their premises in the World Trade Centre were crippled by the loss of _____ and hardware.

- A personnel
- B group
- C individual
- D person

Answer: A

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Question 89

Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. Early on Christmas morning Pip returns to the graveyard with the file, a pie and brandy.
- B. On Christmas Eve, Pip, an orphan who is about seven years old, encounters an escaped convict in the village graveyard.
- C. The convict scares Pip into stealing food and a file.
- D. Pip, who lives with his elder sister and her husband Joe Gargery, a blacksmith, steals a file and some food.

- A CBAD
- B BDCA

C DCAB

D BCDA

Answer: D

Question 90

Select the most appropriate meaning of the given idiom.

As clear as mud

A extremely dirty

B honest and legal

C completely suitable for someone

D impossible to understand

Answer: D

Question 91

Select the most appropriate synonym of the given word.

COMBUSTIBLE

A inflammable

B fragile

C nonexplosive

D unbreakable

Answer: A

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Question 92

Select the most appropriate word to fill in the blank.

The thick smoke _____ out of the landfill site is making the city's polluted air even more toxic.

A billowing

B burning

C rocking

D tossing

Answer: A

Question 93

Select the most appropriate synonym of the given word.

EMBED

A pull

B rise

- C bury
- D dig up

Answer: C

Question 94

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

I try to avoid travel in the rush hour.

- A No improvement
- B travelling in
- C to travel at
- D travelling on

Answer: B

SSC CHSL Important Questions and Answers (Download PDF)

Instructions

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Comprehension:

Bill Gates is the second-richest (1) _____ in the world. He is (2) _____ an estimated \$ 103 billion. His wealth (3) _____ only by Jeff Bezos, (4) _____ has a current net worth of \$116 billion. Gates is (5) _____ rich that an average American spending \$1 is similar to Gates spending \$ 1.06 million.

Question 95

Select the most appropriate option for blank No. 1.

- A personnel
- B character
- C human
- D person

Answer: D

Question 96

Select the most appropriate option for blank No. 2.

- A valuable
- B classed
- C worth
- D cost

Answer: C

Question 97

Select the most appropriate option for blank No. 3.

- A is surpassed
- B surpassed
- C is surpassing
- D surpasses

Answer: A

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Question 98

Select the most appropriate option for blank No. 4.

- A whose
- B whom
- C which
- D who

Answer: D

Question 99

Select the most appropriate option for blank No. 5.

- A as
- B so
- C too
- D such

Answer: B

Instructions

For the following questions answer them individually

Question 100

Select the wrongly spelt word.

- A brood
- B booty
- C boast
- D blossom

Answer: D

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