



SSC GD 11th Feb 2019 Shift-1

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Reasoning

Instructions

For the following questions answer them individually

Question 1

Select the option that is related to the third term in the same way as the second term is related to the first term.

Bull : Cow :: Lion :

- A Lioness
- B Cub
- C Mare
- D Doe

Answer: A

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Question 2

Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

All scientists working in Japan are talented.

Some Chinese scientists are working in Japan.

Conclusions:

- I. No Chinese scientist is talented.
- II. Some talented Chinese scientists are working in Japan.
- III. All talented scientists are Japanese.
- IV. Some Chinese scientists are talented.

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

Answer: B

Question 3

Choose the alternative which most closely resembles the mirror image of the given word when mirror is placed at XY line.

X
ACE
Y

- A ECA
- B ECA
- C ACE

D EJA

Answer: A

Question 4

Which of the four changes given in the options would make the following equation correct?

$$30 \times 3 - 3 = 13$$

A \times Interchanged with $-$

B \times changed to \div ; $-$ changed to $+$

C \times changed to $+$; $-$ changed to \div

D \times Interchanged with $-$; 3 interchanged with 30

Answer: B

SSC GD Important Questions and Answers PDF

Question 5

Select the option that is related to the third term in the same way as the second term is related to the first term.

$$11 : 169 :: 18 : \dots\dots$$

A 396

B 256

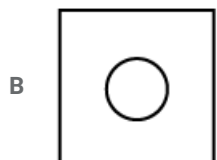
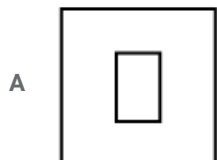
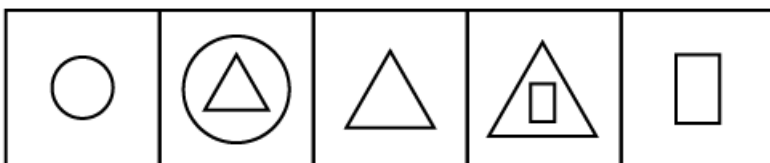
C 361

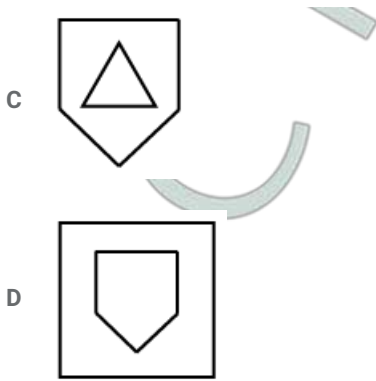
D 400

Answer: D

Question 6

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





Answer: D

Question 7

In the following number series, two numbers have been put with in brackets. Study the series carefully and select the correct alternative with respect to the series.

4, 6, 10, (12), 16, (14), 22

- A The first bracketed number (from the left) is incorrect and the second is correct.
- B Both the bracketed numbers are correct.
- C Both the bracketed numbers are incorrect.
- D The first bracketed number (from the left) is correct and the second is incorrect.

Answer: D

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Question 8

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

O, R, U, X, A,

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

Answer: A

Question 9

Identify the odd one from the following.

- A LKJI
- B ZYXW
- C DCBA
- D QRSP

Answer: D

Question 10

The statements below are followed by two conclusions labeled I and II. Assuming that the information in the statements is true, even if it appears to be at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statements.

Statements:

Some dolls are flowers.

No trees are dolls.

Conclusions:

I. No dolls are trees.

II. Some flowers are trees.

A Both conclusions I and II follow.

B Only conclusion I follows.

C Neither conclusion I nor conclusion II follows.

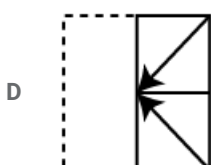
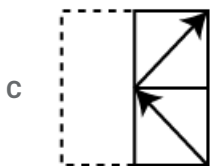
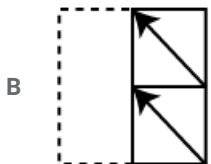
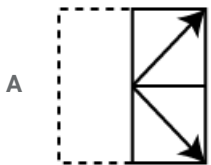
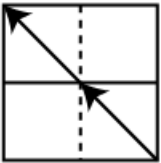
D Only conclusion II follows.

Answer: B

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Question 11

A square transparent sheet with a pattern is given. Select from among the four alternatives how the pattern would appear when the transparent sheet is folded at the dotted line.



Answer: C

Question 12

If D = 4 and G = 7 then GARDEN =

- A 47
- B 49
- C 40
- D 50

Answer: B

Question 13

If CHILDREN is coded as LIHCNERD, then MOVEMENT will be coded as

- A TNEMEVO
- B EVOMMENT
- C EVOMTMEN
- D EVOMTNEM

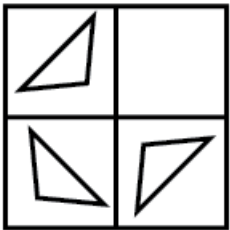
Answer: D

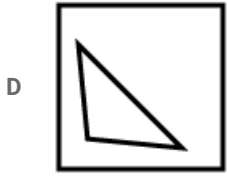
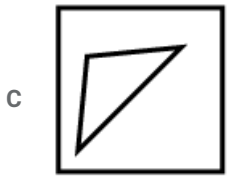
[SSC CPO Previous Question papers \(download pdf\)](#)

Question 14

Select the option figure which when placed in the blank space of the problem figure would complete the pattern.

Problem Figure:





Answer: A

Question 15

Five students took part in a cycling competition. Robert finished before Monish but behind Gunjan. Anil finished before Sunil but behind Monish. Who won the competition?

A Robert

B Gunjan

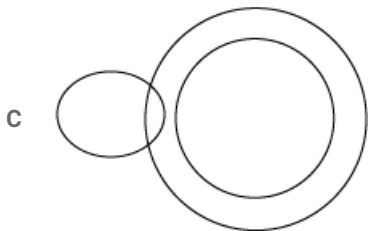
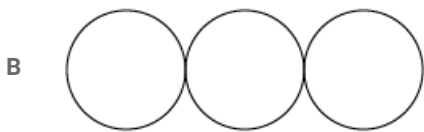
C Monish

D Anil

Answer: B

Question 16

Select the Venn diagram that best illustrates the relationship between the three given classes. School, Teacher, Student



Answer: D

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Question 17

Select the option that is analogous to the given pair.

CD : HI

- A PQ : UV
- B IJ : MN
- C KL : NO
- D AB : XY

Answer: A

Question 18

Identify the odd pair from the following.

- A Egypt : Cairo
- B Iraq : Dinar
- C Greece : Athens
- D Italy : Rome

Answer: B

Question 19

Five students are standing in a line. Suman is standing next to Pranav but not next to Deena. Kumar is standing next to Raju. who is standing on the extreme left, and Deena is not standing next to Kumar. Who is standing in the middle?

- A Deena
- B Raju
- C Kumar
- D Suman

Answer: D

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Question 20

Identify the odd one from the following.

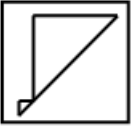
- A Down
- B Large
- C Above

D Up

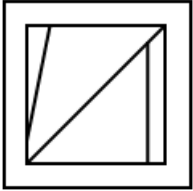
Answer: B

Question 21

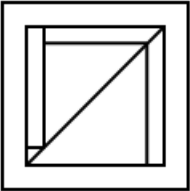
Choose the option figure in which the problem figure is hidden/embedded. (Rotation is not allowed)



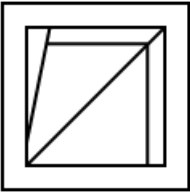
A



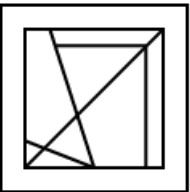
B



C



D



Answer: B

Question 22

Identify the number that is different from the rest.

A 196

B 256

C 252

D 121

Answer: C

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Question 23

Identify the correct option to complete the following series.

1, 3, 5, 11, 21, 43, 85, 171,

- A 354
- B 247
- C 341
- D 342

Answer: C

Question 24

Identify the number that DOES NOT belong to the following series.

2, 9, 28, 64, 126, 217, 344, 513

- A 28
- B 513
- C 344
- D 64

Answer: D

Question 25

Six offices on a floor are allotted to A, B, C, D, E and F, respectively. The offices are arranged in two rows, one facing the north and the other facing the south. B got a north-facing office and is not next to D. D and F got diagonally opposite offices. C, whose office is next to F, got a south-facing office, and E got a north-facing office.

Which of the following combinations got south-facing offices?

- A ABC
- B FCA
- C BED
- D FAE

Answer: B

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General knowledge

Instructions

For the following questions answer them individually

Question 26

..... is also known as 'The Light of Asia'.

- A Rumi
- B Buddha

- C Gandhi
- D Swami Vivekananda

Answer: B

SSC GD Constable Previous Papers

Question 27

Which of the following is NOT a part of the endocrine system?

- A Pineal gland
- B Salivary gland
- C Thymus
- D Adrenal gland

Answer: B

Question 28

The book 'India 2020' is written by

- A Dr A.P.J Abdul Kalam
- B Pranab Mukherjee
- C Prasoos Joshi
- D Ram Nath Kovind

Answer: A

Question 29

When did the civil war in Sri Lanka end?

- A 2009
- B 2001
- C 1800
- D 1909

Answer: A

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 30

The famous classical dance style of Tamil Nadu is:

- A Bharatanatyam
- B Mohiniyattam
- C Kuchipudi

D Kathak

Answer: A

Question 31

On the basis of nominal GDP, India is the world's largest economy in 2018.

A tenth

B third

C fifth

D seventh

Answer: D

Question 32

GST stands for

A Goods and Services Tax

B Growth and Service Tax

C Growth and Sale Tax

D Goods and Sales Tax

Answer: A

SSC GD Constable Previous Papers (DOWNLOAD PDF)

Question 33

The full form of DNA is:

A deoxyribeneutral acid

B deltanucleic acid

C deoxyribonucleic acid

D dyoxyenucleic acid

Answer: C

Question 34

Which if the following statements is correct in the context of Indian Democracy?

A allows people to choose their representatives.

B allows people to take over the country in cases of financial emergency.

C commands people to pay taxes for pilgrimage.

D allows the military to rule the country.

Answer: A

Question 35

In which of following locations did the 1920 Indian National congress take place?

- A Thiruvananthapuram
- B Mumbai
- C Tripura
- D Nagpur

Answer: D

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 36

..... is the smallest state of India.

- A Punjab
- B Goa
- C Sikkim
- D Tripura

Answer: B

Question 37

Pietra Dura, the inlay technique of architecture can be found in which of the following monuments?

- A Taj Mahal
- B India Gate
- C Char Minar
- D Gateway of India

Answer: A

Question 38

The is a bird which symbolises peace.

- A dove
- B peacock
- C owl
- D crow

Answer: A

SSC CGL Free Mock Test (Latest Pattern)

Question 39

The is a major iron ore belt in India.

- A Tamil Nadu-Chhattisgarh belt
- B Gujarat-Rajasthan belt
- C Uttar Pradesh-Bihar belt
- D Odisha-Jharkhand belt

Answer: D

Question 40

..... is the primary sector of the Indian economy.

- A Banking
- B Information and Technology
- C Agriculture
- D Judiciary

Answer: C

Question 41

Jean Jacques Rousseau was a famous

- A Philosopher
- B Painter
- C Doctor
- D Monarch

Answer: A

SSC CHSL Free Mock Test (Latest Pattern)

Question 42

The chemical name of table salt is

- A hydrogen chloride
- B sodium chloride
- C sodium hydrogen carbonate
- D sodium carbonate

Answer: B

Question 43

Which is the longest bone in the human body?

- A Ulna
- B Radius
- C Tibia
- D Femur

Answer: D

Question 44

The Soviet Union broke down in the year

- A 1991
- B 1880
- C 2000
- D 1900

Answer: A

SSC Stenographer Previous Papers (Latest Pattern)

Question 45

..... is the first Indian woman to swim across the English Channel.

- A Shivani Kataria
- B Shikha Tandon
- C Sania Mirza
- D Aarti Saha

Answer: D

Question 46

Lavani is a folk dance form of:

- A Maharashtra
- B Rajasthan
- C Gujarat
- D Bihar

Answer: A

Question 47

The green pigment present in leaves is called

- A phloem
- B xylem

C chlorophyll

D tissue

Answer: C

SSC GD Constable Free Mock Test (Latest Pattern)

Question 48

The attack by the third estate on the Bastille prison sparked the

A Russian Revolution

B French Revolution

C Break up of Soviet Union

D The fall of Tsar

Answer: B

Question 49

..... is the first Indian female to win a silver in the Olympics.

A P.V. Sindhu

B Tanvi Lad

C Arundhati Pantwane

D Saina Nehwal

Answer: A

Question 50

The river Narmada rises in Madhya Pradesh from the

A Amarkantak hills

B Aravalli hills

C Nilgiri hills

D Satpura range

Answer: A

SSC MTS Free Mock Test (Latest Pattern)

Quant

Instructions

For the following questions answer them individually

Question 51

If the average of five observations a_1, a_2, a_3, a_4 and a_5 is N , then what is the average of five new observations $a_1 - 100, a_2 - 100, a_3 - 100, a_4 - 100$, and $a_5 - 100$?

- A N - 20
- B N - 100
- C N - 40
- D N - 150

Answer: B

Explanation:

$$\text{Given, } \frac{a_1 + a_2 + a_3 + a_4 + a_5}{5} = N$$

$$\Rightarrow a_1 + a_2 + a_3 + a_4 + a_5 = 5N$$

$$\text{Then, Average of } a_1 - 100, a_2 - 100, a_3 - 100, a_4 - 100, \text{ and } a_5 - 100 = \frac{a_1 + a_2 + a_3 + a_4 + a_5 - 500}{5} = \frac{5N - 500}{5} = N - 100$$

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Question 52

If the length of the diagonal of a square is $10\sqrt{2}$ cm, then what will be area of the square?

- A 200 cm^2
- B 100 cm^2
- C $100\sqrt{2} \text{ cm}^2$
- D 50 cm^2

Answer: B

Explanation:

Length of the diagonal of a square = $\sqrt{2}a$ where a = side of the square

$$\text{Given, } \sqrt{2}a = 10\sqrt{2}$$

$$\Rightarrow a = 10 \text{ cm}$$

$$\text{Then, Area of the square} = 10^2 = 100 \text{ cm}^2$$

Question 53

Rajesh goes to his office at the speed of 25 km/hr and returns to his home at the speed of 20 km/hr. If he takes total 9 hours, then what is the distance between his office and home?

- A 120km
- B 90km
- C 140km
- D 100km

Answer: D

Explanation:

Let the distance between his home and his office = x km

Time taken to travel from his home to office = $\frac{x}{25}$ hours

Time taken to travel from his office to home = $\frac{x}{20}$ hours

Total time = $\frac{x}{25} + \frac{x}{20} = \frac{5x + 4x}{100} = \frac{9x}{100}$ hours

Given, $\frac{9x}{100} = 9$

$\Rightarrow 9x = 900$

$\Rightarrow x = 100$

Therefore, Distance between his home and his office = 100 km.

Question 54

A sum becomes ₹ 10650 in 5 years and ₹ 11076 in 6 years at simple interest. What is the sum?

A ₹ 8946

B ₹ 8740

C ₹ 8520

D ₹ 8800

Answer: C

Explanation:

Given, Amount for 5 years = Rs.10650

Amount for 6 years = Rs.11076

Then, Simple Interest for 1 year = Rs.11076 - Rs.10650 = Rs.426

Simple Interest for 5 years = Rs.426*5 = Rs.2130

Then, Principal = Rs.10650 - Rs.2130 = Rs.8520

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Question 55

If cost price of an article is ₹220 and profit is 20%, then what will be the selling price of the article?

A ₹264

B ₹216

C ₹176

D ₹256

Answer: A

Explanation:

Given, Cost Price = Rs.220

Profit = 20%

Then, Selling Price = 120% of Rs.220 = $100 + 20 = 120$ $\times 220 = 12 \times 22 = Rs.264$

Question 56

The height of a cone is 16 cm and radius of its base is 30 cm. If the rate of painting it is ₹14/cm², then what will be the total cost in painting the curved surface of cone from outside?

A ₹42220

B ₹44880

C ₹36820

D ₹46540

Answer: B

Explanation:

Given, Height of the cone = 16 cm

Radius of the base of the cone = 30 cm

Then, Slant Height of the cone = $\sqrt{16^2 + 30^2} = \sqrt{256 + 900} = \sqrt{1156} = 34\text{cm}$

Curved surface area = πrL where r = radius of the base of cone, L = Slant height of the cone

$$= 7 \times 30 \times 34 = 3205.7\text{cm}^2$$

Rate of painting = Rs.14 per cm^2

Then, For 3205.7cm^2 , Rate of painting will be $3205.7 \times 14 = \text{Rs.}44880$

Question 57

A sum becomes 5 times of itself in 3 years at compound interest (interest is compounded annually). In how many years will the sum becomes 125 times of itself?

A 9

B 6

C 8

D 12

Answer: A

Explanation:

Let principal be Rs.P

Then, Amount after 3 years will be Rs.5P

Let the rate of interest be $R\%$

$$P(1 + 100)^3 = 5P$$

$$(1 + 100)^3 = 5$$

$$\Rightarrow (1 + 100) = 5^{\frac{1}{3}} - (1)$$

Let the amount after T years be Rs.125P

$$P(1 + 100)^T = 125P$$

Substituting (1) in above equation

$$(5^{\frac{1}{3}})^T = 125$$

$$\Rightarrow 5^{\frac{T}{3}} = 5^3$$

$$\Rightarrow 3 = 3$$

$$\Rightarrow T = 9$$

Hence, In 9 years, the given principal becomes 125 times of itself.

Question 58

What is the Highest Common Factor of $2^3 \times 3^5$ and $3^3 \times 5^2$?

- A $2^3 \times 3^5 \times 5^2$
- B 3^3
- C $2^1 \times 3^3 \times 5^1$
- D $3^5 \times 5^2$

Answer: B

Explanation:

HCF of $2^3 \times 3^5$ and $3^3 \times 5^2$ is the common number between the two terms with lowest power.

Here, 3 is common in both the terms. Lowest power of 3 is 3.

Hence, HCF of $2^3 \times 3^5$ and $3^3 \times 5^2$ is 3^3

Question 59

A alone can complete a work in 6 days and B alone can complete the same work in 8 days. In how many days both A and B together can complete the same work?

- A $\frac{48}{13}$ days
- B $\frac{35}{13}$ days
- C $\frac{26}{7}$ days
- D $\frac{24}{7}$ days

Answer: D

Explanation:

Let the total work be 24 units.

Efficiency of A = $24/6 = 4$ units per day

Efficiency of B = $24/8 = 3$ units per day

Total efficiency of A and B together = 7 units per day

24

Then, 24 units can be completed by A and B together in $\frac{24}{7}$ days

Question 60

The length, breadth and height of a room is 21 metres, 12 metres and 16 metres. What will be the length of the largest rod that can be placed in that room?

- A 32 metres
- B 25 metres
- C 31 metres
- D 29 metres

Answer: D

Explanation:

Given, Length of the room = 21 m

Breadth of the room = 12 m

Height of the room = 16 m

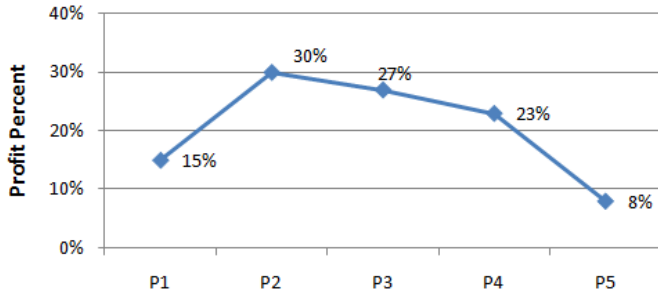
Length of the largest rod placed in the room is equal to the length of its diagonal.

$$= \sqrt{21^2 + 12^2 + 16^2} = \sqrt{441 + 144 + 256} = \sqrt{841} = 29m$$

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Question 61

The line chart given below shows the profit percentage of a company on 5 different products P1, P2, P3, P4 and P5.



The revenue of product P3 is 38100. What is expenditure of product P3 ?

- A ₹30000
- B ₹32000
- C ₹35000
- D ₹29000

Answer: A

Explanation:

$$R - E$$

We know that Profit = $\frac{R - E}{E} \times 100$ where R = Revenue, E = Expenditure

Given, Revenue = Rs.38100, Profit = 27%

$$38100 - E$$

$$E \times 100 = 27$$

$$\Rightarrow 381000 - 100E = 27E$$

$$\Rightarrow 127E = 381000$$

$$\Rightarrow E = 3000$$

Therefore, Expenditure of P3 = Rs.30000

Question 62

Find the value of $5\frac{1}{2} - [3\frac{1}{4} + 6 - 4 \div 2]$

- A $-\frac{5}{4}$
- B $\frac{5}{4}$
- C $\frac{7}{4}$
- D $-\frac{7}{4}$

Answer: D

Explanation:

$$5\frac{1}{2} - [3\frac{1}{4} + 6 - 4 \div 2] = 2 - [4 + 6 - 2]$$

$$= 2 - [4 + 6 - 2] = 2 - [4 + 4] = 2 - 4 = -2 = -2$$

Question 63

If Sonu is driving a car at a speed of 20 m/s, then in how much time Sonu will cover a distance of 936 km?

- A 18hr
- B 46.8 hr
- C 21 hr
- D 13 hr

Answer: D

Explanation:

Given, Speed of Sonu = 20 m/sec = $20 \times \frac{18}{5} = 72 \text{ km/hr}$

Distance = 936 km

Then, Time taken = $\frac{936}{72} = 13 \text{ hours}$

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Question 64

Anil, Deepak and Dinesh together can complete a work in 35 days. Anil and Dinesh together can complete the same work in 60 days. In how many days Deepak alone can complete the same work?

- A 105 days
- B 84 days
- C 96 days
- D 110 days

Answer: B

Explanation:

Let the total work be 420 units (LCM of 35 and 60).

Efficiency of Anil, Dinesh and Deepak together = $420/35 = 12 \text{ units per day}$

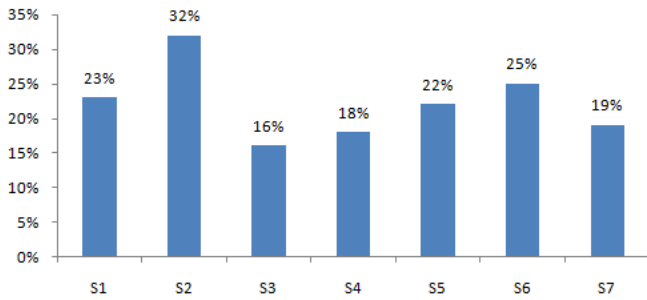
Efficiency of Anil and Dinesh together = $420/60 = 7 \text{ units per day}$

Then, Efficiency of Deepak = $12 - 7 = 5 \text{ units per day}$

Therefore, Deepak can do 420 units of work in $420/5 = 84 \text{ days}$.

Question 65

The bar chart given below shows the amount of sugar used in making 7 different varieties of sweets S1, S2, S3, S4, S5, S6 and S7 has been shown as a percentage of total weight of the sweet.



The total weight of sweet S4 is 150 kg. What is the amount of sugar used in sweet S4?

- A 35 kg
- B 27 kg
- C 25 kg
- D 31 kg

Answer: B

Explanation:

Given, Total weight of the sweet S4 = 150 kg

Percentage of sugar used in S4 = 18%

18

Then, Amount of sugar used in S4 = 18% of 150 = $\frac{18}{100} \times 150 = 27kg$

Question 66

A bag has ₹420 in the denomination of ₹1, ₹2 and ₹5 coins. The number ₹1, ₹2 and ₹5 coins are in the ratio of 8:1:5. How many coins of ₹5 are in the bag?

- A 12
- B 24
- C 48
- D 60

Answer: D

Explanation:

Let the number of Rs.1, Rs.2 and Rs.5 coins in the bag be 8x, x and 5x coins respectively.

Then, Value of Rs.1 coins = $8x \times 1 = Rs.8x$

Value of Rs.2 coins = $x \times 2 = Rs.2x$

Value of Rs.5 coins = $5x \times 5 = Rs.25x$

Total value of money in the bag = $Rs.8x + Rs.2x + Rs.25x = Rs.35x$

Given, $35x = 420 \Rightarrow x = 12$

Therefore, Number of Rs.5 coins in the bag = $5x = 5 \times 12 = 60$ coins.

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Question 67

The average weight of a group of 22 students increases by 1 kg when the weight of the teacher is also included. If the initial average weight of the group of 22 students was 31 kg, then what is the weight of the teacher?

- A 54 kg
- B 57 kg
- C 48 kg
- D 53 kg

Answer: A

Explanation:

Let the total weight of 22 students be A kg.

$$A$$

Given, $22 = 31$

$$\Rightarrow A = 682 \text{ kg}$$

If the weight of the teacher is also included, then average becomes 32 kg

Let the weight of the teacher be T kg

$$A + T$$

$$23 = 32$$

$$\Rightarrow A + T = 736$$

Substituting $A = 682$ in above equation

$$682 + T = 736$$

$$\Rightarrow T = 54$$

Therefore, Weight of the teacher = 54 kg.

Question 68

$u : v = 4 : 7$ and $v : w = 9 : 7$. If $u = 72$, then what is the value of w ?

- A 98
- B 77
- C 63
- D 49

Answer: A

Explanation:

Given $u : v = 4 : 7$ -- (1)

$v : w = 9 : 7$ -- (2)

Multiplying (1) by 9 and (2) by 7

$$u : v = 36 : 63$$

$$v : w = 63 : 49$$

Then, $u : v : w = 36 : 63 : 49$

Let u, v, w be $36x, 63x$ and $49x$ respectively

$$\text{Given } 36x = 72 \Rightarrow x = 2$$

$$\text{Then, } w = 49x = 49 \times 2 = 98.$$

Question 69

If P is 40% less than Q, then Q is how much percentage more than P?

- A 40%
- B 66.66%
- C 60%
- D 33.33%

Answer: B

Explanation:

Let Q be 100.

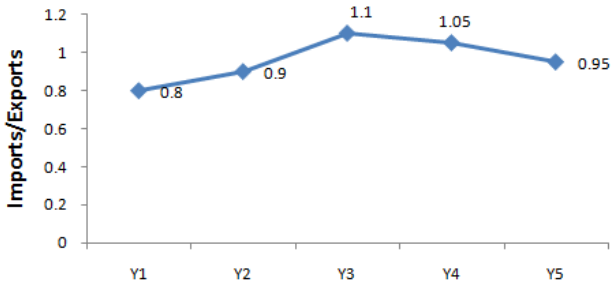
$$\text{Then, } P = 100 - 40\% \text{ of } 100 = 100 - 40 = 60$$

$$\text{Required percentage} = \frac{60}{100} \times 100 = 60\%$$

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Question 70

The line chart given below shows the ratio of imports to exports for a country for 5 consecutive years Y1, Y2, Y3, Y4 and Y5.



If the exports for year Y3 is ₹35000 crore, then what will be imports (in crores) for the year Y3?

- A ₹35500
- B ₹38500
- C ₹43500
- D ₹41500

Answer: B

Explanation:

11

Ratio of Imports to Exports of Y3 = 1.1 = $\frac{11}{10}$ = 11 : 10

Let imports be Rs.11x crore and exports be Rs.10x

Given, 10x = 35000 \Rightarrow x = 3500

Then, Imports = Rs.11x = Rs.11 \times 3500 = Rs.38500.

Question 71

An article is sold for ₹4777 after giving discount of 15%. What is the marked price of article?

- A ₹5620
- B ₹5494
- C ₹5348
- D ₹5525

Answer: A

Explanation:

Let marked price = Rs.100x

Discount = 15% of Rs.100x = Rs.15x

Selling price = Rs.100x - Rs.15x = Rs.85x

Given, Rs.85x = Rs.4777

4777

$$\Rightarrow x = 85 = 56.2$$

Then, Marked price = Rs.100x = Rs.100 × 56.2 = Rs.5620

Question 72

What is the value of $[10\frac{1}{3} \div \frac{5}{3}(10 + 14 \div 3 - 1)]$?

A $\frac{93}{205}$

B $\frac{33}{50}$

C $\frac{29}{88}$

D $\frac{31}{85}$

Answer: A

Explanation:

$$[10\frac{1}{3} \div \frac{5}{3}(10 + 14 \div 3 - 1)] = \frac{31}{3} \div \frac{5}{3}(10 + \frac{14}{3} - 1)$$

$$= \frac{31}{3} \div \frac{5}{3} \times (\frac{30 + 14 - 3}{3})$$

$$= \frac{31}{3} \div \frac{5}{3} \times \frac{41}{3}$$

$$= \frac{31}{3} \div \frac{205}{9}$$

$$= \frac{31}{3} \times \frac{9}{205} = \frac{93}{205}$$

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Question 73

The price of two articles are in the ratio of 3 : 2 respectively. The price of first article is increased by 40% and the price of second article is decreased by x%. If the new ratio of the price of the two articles is 7 : 3 respectively, then what is the value of x?

A 20

B 15

C 30

D 10

Answer: D

Explanation:

Let the price of two articles be Rs.300 and Rs.200

Price of first article is increased by 40%.

$$120$$

New price of first article = 120% of 300 = $100 \times 300 = Rs.420$

Price of second article is decreased by x%

$$\frac{100 - x}{100}$$

New price of second article = (100-x)% of Rs.200 = $\frac{100 - x}{100} \times 200 = Rs(200 - 2x)$

$$\begin{array}{r} 420 \quad 7 \\ \text{Given, } 200 - 2x = 3 \end{array}$$

$$\begin{array}{r} 60 \quad 1 \\ \Rightarrow 200 - 2x = 3 \end{array}$$

$$\Rightarrow 180 = 200 - 2x$$

$$\Rightarrow 2x = 20$$

$$\Rightarrow x = 10$$

Question 74

A bowler has taken 0, 3, 2, 1, 5, 3, 4, 5, 5, 2, 2, 0, 0, 1 and 2 wickets in 15 consecutive matches. What is the mode of the given data?

A 0

B 5

C 2

D 3

Answer: C

Explanation:

Mode is the most repeated number of the series.

In the given series,

0 is repeated 3 times.

1 is repeated 2 times

2 is repeated 4 times.

3 is repeated 2 times.

4 is repeated 1 time.

5 is repeated 3 times.

Therefore, Mode of the given series = 2.

Question 75

Manish purchased books at the rate of ₹225 per book and sold them at the rate of ₹162 per book. What will be the loss on selling 7 books?

A ₹441

B ₹63

C ₹315

D ₹28

Answer: A

Explanation:

Cost Price of 1 book = Rs.225

Selling Price of 1 book = Rs.162

Loss for 1 book = Rs.225 - Rs.162 = Rs.63

Then, Loss for 7 books = Rs.63 \times 7 = Rs.441.

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English

Instructions

For the following questions answer them individually

Question 76

Select the correctly spelt word.

- A Business
- B Bussiness
- C Buisness
- D Businnes

Answer: B

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Question 77

Select the word which means the same as the group of words given.
One who talks a lot

- A glutton
- B tacitumn
- C loquacious
- D gullible

Answer: B

Question 78

Select the most appropriate word to fill in the blank.
Let's go out now. It isn't anymore.

- A rained
- B rains
- C rain
- D raining

Answer: A

Question 79

From the given options, identify the segment in the sentence which contains the grammatical error.
He will not be able to attend the school function tomorrow, will you?

- A will not be
- B the school function
- C will you?
- D to attend

Answer: A

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Question 80

From the given options, identify the segment in the sentence which contains the grammatical error.
Many students thought that this year's question paper was very tough as compared to last year.

- A was very tough
- B Many students thought
- C compared to last year
- D that this year's

Answer: B

Question 81

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**.

A young taxi driver has claimed that a monster attacked him while he drove along a lonely road.

- A while he is driving
- B as long as he drove
- C while he was driving
- D No improvement

Answer: B

Question 82

Select the option that means the same as the given idiom.
To pay through the nose

- A To pay willingly
- B To pay excessively
- C To pay easily
- D To pay reluctantly

Answer: C

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Question 83

Select the antonym of the given word.
EMANCIPATION

- A freedom
- B bondage
- C liberty

D riddance

Answer: C

Question 84

Select the option that means the same as the given idiom.
To jump on the bandwagon

- A To follow popular trends
- B To fall into misfortune
- C To take a calculated risk
- D To run after the unachievable

Answer: A

Question 85

Select the most appropriate word to fill in the blank.
The judge found him of murder.

- A criminal
- B innocent
- C guilty
- D honest

Answer: B

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Question 86

Select the most appropriate word to fill in the blank.
1950 is year in which India became a republic.

- A the
- B a
- C one
- D an

Answer: A

Question 87

Select the antonym of the given word.
AFFLICTION

- A agony
- B discomfort
- C anguish

D pleasure

Answer: B

Question 88

Select the synonym of the given word.

SUITABLE

A ideal

B awkward

C friendly

D appropriate

Answer: C

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Instructions

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given.

Passage:

Generations of women in the southern Indian state of Tamil Nadu have been diving to(1) seaweed to help support their families(2) womenhead to the sea on(3) unique quest. Clad in traditional saris and goggles, they(4) into the ocean to collect coral and seaweed(5) grow on underwaterrocks. Seaweed is used in food and to make various drugs and chemicals.

Question 89

Select the most appropriate option that will fill in the blank number 1.

A grow

B collect

C build

D assemble

Answer: B

Question 90

Select the most appropriate option that will fill in the blank number 2.

A That

B This

C Those

D These

Answer: C

Question 91

Select the most appropriate option that will fill in the blank number 3.

A a

- B the
- C any
- D an

Answer: A

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Question 92

Select the most appropriate option that will fill in the blank number 4.

- A float
- B dive
- C swim
- D fall

Answer: D

Question 93

Select the most appropriate option that will fill in the blank number 5.

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

Answer: D

Instructions

For the following questions answer them individually

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.

The torch fall from his trembling hand and he ran wildly towards the school building.

- A No improvement
- B felled from his trembling hand
- C falling from his trembling hand
- D fell from his trembling hand

Answer: D

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Question 95

Select the most appropriate word to fill in the blank.
Shall we his invitation to dinner.

- A except
- B accept
- C agree
- D expect

Answer: A

Question 96

From the given options, identify the segment in the sentence which contains the grammatical error.
The TV anchor insisted on me to participate in the debate.

- A The TV anchor
- B in the debate
- C to participate
- D insisted on me

Answer: A

Question 97

Select the synonym of the given word.
MAGNIFICENT

- A expensive
- B modest
- C grand
- D huge

Answer: B

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Question 98

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.

Mumbai has a lot of heritage structures which badly need restoration.

- A lot of
- B No improvement
- C many of
- D few of

Answer: D

Question 99

Select the correctly spelt word.

- A Receipt
- B Reseipt
- C Receipt
- D Receit

Answer: B

Question 100

Select the option that means the same as the following phrase.

One who is outgoing

- A vagabond
- B explorer
- C extrovert
- D introvert

Answer: A

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