



SSC GD 3rd March 2019 Shift-3

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Reasoning

Instructions

For the following questions answer them individually

Question 1

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

Figure

- A Figure 1
- B Figure 2
- C Figure 3
- D Figure 4

Answer: D

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Question 2

In a class of 45 students, a boy is ranked 20th. When two boys joined, his rank was dropped by one. What is his new rank from the end?

- A 27th
- B 26th
- C 25th
- D 28th

Answer: A

Explanation:

In a class of 45 students, a boy is ranked 20th. When two boys joined,

The rank of the boy dropped by 1, i.e. New rank is 21st

Total students = $45 + 2 = 47$

His new rank from the end:

$$47 - 21 + 1$$

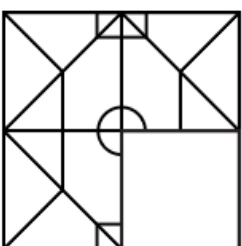
$$47 - 20 = 27 \text{ th}$$

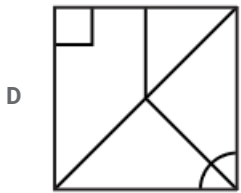
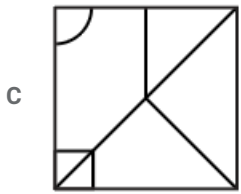
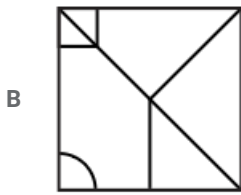
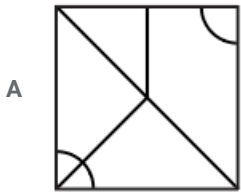
Option A is correct.

Question 3

Which of the following answer figure will complete the given figure?

Question Figure:

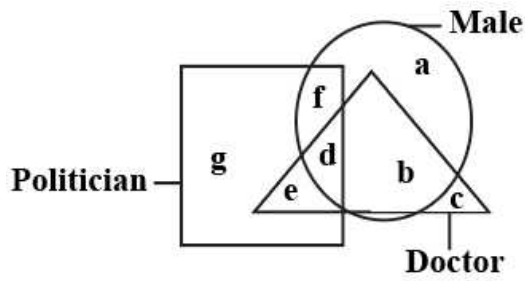




Answer: C

Question 4

Study the following Venn-diagram and answer the given question.



Which letter represents a male politician only?

- A b
- B e
- C d
- D f

Answer: D

Question 5

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 scooters are planes.

Some planes are dogs.

Some dogs are plants.

Conclusions:

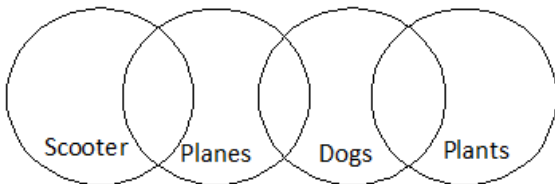
I. Some plants are scooters.

II. No plane is scooter.

- A Only Conclusion I follows.
- B Neither Conclusion I nor II follows.
- C Only Conclusion II follows.
- D Either Conclusion I or II follows.

Answer: B

Explanation:



Conclusions:

I. Some plants are scooters - False

II. No plane is scooter - False

Neither I nor II follows

Option B is correct.

Question 6

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

AFK : EJO :: PUZ : ?

- A TXE
- B TYD
- C UOM
- D USC

Answer: B

Explanation:

$A \rightarrow (+5)F \rightarrow (+5)K : E \rightarrow (+5)J \rightarrow (+5)O :$

$: P \rightarrow (+5)U \rightarrow (+5)Z : T \rightarrow (+5)Y \rightarrow (+5)D$

Option B is correct.

Question 7

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:

All kids are Adults.

Some Adults are old.

Conclusion:

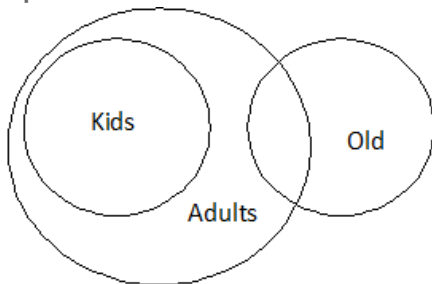
I. All old are kids.

II. Some kids are old.

- A Only conclusion I follows
- B Either conclusion I or II follows
- C Only conclusion II follows
- D Neither conclusion I nor II follows

Answer: D

Explanation:



- I. All old are kids - False
- II. Some kids are old - False

Neither I nor II follows

Option D is correct.

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Question 8

Four words have been given out of which three are alike in some manner, while one is different. Choose the odd one.

- A Kathakali
- B Kuchipudi
- C Sattriya
- D Hemis

Answer: D

Explanation:

Kathakali, Kuchipudi and Sattriya are dance forms but Hemis is a National Park

So Hemis is odd one out

Option D is correct

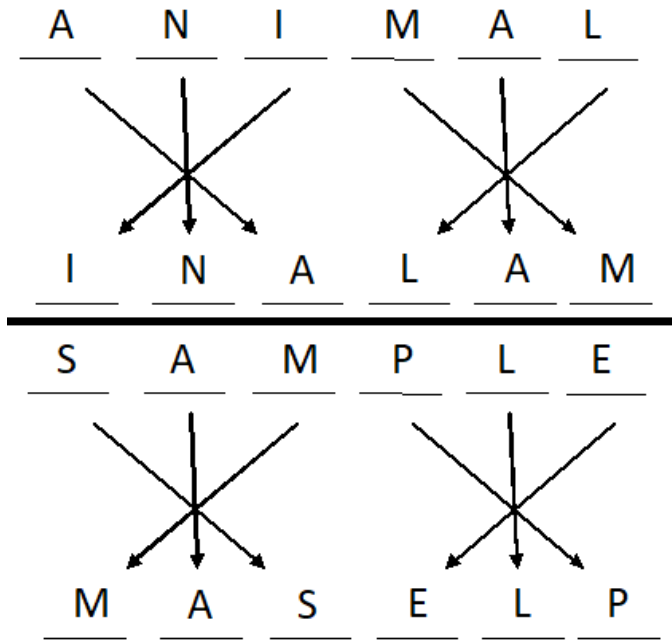
Question 9

In a certain code, ANIMAL is coded as INALAM, then how is SAMPLE coded in the same way?

- A MALESP
- B MSALEP
- C ASMALE
- D MASELP

Answer: D

Explanation:



Option D is correct.

Question 10

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

35 : 15 :: 72 : ?

- A 54
- B 27
- C 15
- D 14

Answer: D

Explanation:

$35 : 3 \times 5 = 15$

$72 : 7 \times 2 = 14$

$35 : 15 :: 72 : 14$

Option D is correct.

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Question 11

If SENSIBLE is written as 10 and SAMUELS as 9, how will NADAL be written?

- A 4
- B 9
- C 11
- D 7

Answer: D

Explanation:

SENSIBLE = Total no. of letters +2 = 8+2=10

SAMUELS = 7+2= 9

NADAL = 5+2 =7

Option D is correct.

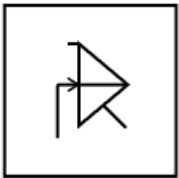
Question 12

Choose the option figure in which the problem figure is hidden/embedded.

QuestionFigure:



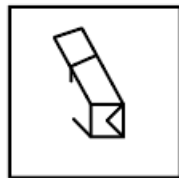
A



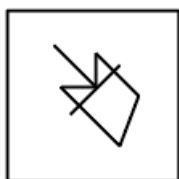
B



C



D



Answer: D

Question 13

Select the correct option that will fill in the blank and complete the series.

WVU, RQP, MLK, ?

- A HGF
- B JHI
- C HGI
- D IGF

Answer: A

Explanation:

If we look at the given series,
 WVU -> these 3 letters are in series and in reverse order
 $U - 3 = R$
 RQP -> these 3 letters are in series and in reverse order
 $P - 3 = M$
 MLK -> these 3 letters are in series and in reverse order
 $K - 3 = H$
 So, the next term will be HGF.

SSC CPO Previous Question papers (download pdf)

Question 14

Four options have been given out of which three are alike in some manner, while one is different. Choose the odd one.

- A 693
- B 385
- C 287
- D 473

Answer: C

Explanation:

$693 = 6 + 9 + 3 = 18(\text{even})$

$385 = 3 + 8 + 5 = 16(\text{even})$

$287 = 2 + 8 + 7 = 17(\text{odd})$

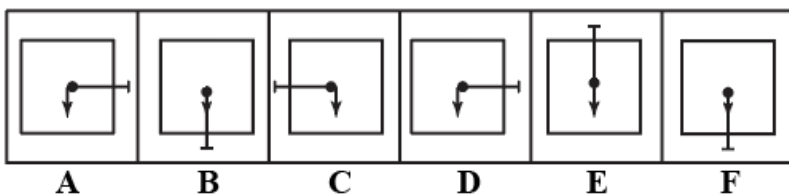
$473 = 4 + 7 + 3 = 14(\text{even})$

Option C is correct.

Question 15

Identify the two figures from the following set of figures which are out of position and require interchange of positions to put the entire series in order.

Problem Figure:



- A (B & D)

B (D & E)

C (D & F)

D (A & C)

Answer: B

Question 16

Five monkeys A, B, C, D and E are sitting on a branch of a tree.

C is sitting next to D. D is not sitting with E. E is on the left end of the branch. C is on second position from right. A is immediate right of B and B is on the right side of E. Who is sitting at the centre?

A D

B C

C A

D B

Answer: C

Explanation:

Five monkeys A, B, C, D and E are sitting on a branch of a tree.

C is on second position from right. C is sitting next to D. E is on the left end of the branch.

Case 1:

E _ _ C _

A is immediate right of B and B is on the right side of E.

E B A C _

So, only person left is D.

We will have the final arrangement as

E B A C D

Therefore A is sitting at the centre.

Option C is correct.

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Question 17

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

$$78 * 3 * 4 * 36 * 140$$

A $- + \times =$

B $\div \times - =$

C $\div \times + =$

D $+ + \div =$

Answer: C

Question 18

Select the correct option that will fill in the blank and complete the series.

145, 100, 65, 40, ?

- A 15
- B 10
- C 20
- D 25

Answer: D

Explanation:

145, 100, 65, 40, ?

$$145 - 100 = 45$$

$$100 - 65 = 35$$

$$65 - 40 = 25$$

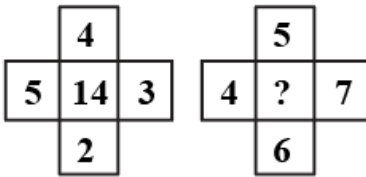
$$40 - 15 = 25$$

So, there is a difference of 15,25,35,45 between each numbers.

Option D is correct.

Question 19

Find the missing number from the below options.



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

Answer: B

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Question 20

X, Y, Z, P, Q and R are sitting in a row facing north. X is the neighbour of Y and P. Q is the neighbour of Z and R, P is to the right of X and P and Z are immediate neighbours.

Which pair sits on the extreme ends?

- A Y, P
- B Y, R
- C X, P
- D P, Z

Answer: B

Explanation:

X, Y, Z, P, Q and R are sitting in a row facing north.

1. X is the neighbour of Y and P. Q is the neighbour of Z and R
2. P is to the right of X and P and Z are immediate neighbours.

From 1 and 2, we get the following seating plan.

Y
 X
 P
 Z
 Q
 R

Y and R are sitting at the ends.

Option B is correct.

Question 21

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

Question Figure:

M N



A



B



C



D



Answer: B

Question 22

Select the correct option that will fill in the blank and complete the series.

2, 8, 32, 128, 512, ?

- A 2507
- B 2536
- C 2067
- D 2048

Answer: D

Explanation:

2, 8, 32, 128, 512, 2048

$$2^1 = 2$$

$$2^3 = 8$$

$$2^5 = 32$$

$$2^7 = 128$$

$$2^9 = 512$$

$$2^{11} = 2048$$

Option D is correct.

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 23

Four letter clusters have been given out of which three are alike in some manner, while one is different. Choose the odd one.

- A JOT
- B HMR
- C INS
- D DLT

Answer: D

Explanation:

$$A. J \rightarrow (+5)O \rightarrow (+5)T$$

$$B. H \rightarrow (+5)M \rightarrow (+5)R$$

$$C. I \rightarrow (+5)N \rightarrow (+5)S$$

$$D. D \rightarrow (+8)L \rightarrow (+8)T$$

Option D is correct.

Question 24

Select the related word pair from the given alternatives.

India : Rupee :: :

- A Switzerland : Euro
- B Russia: Ruble

C South Africa : Pound

D China : Yen

Answer: B

Explanation:

India : Rupee :: Russia: Ruble

Country : Currency

Option B is correct.

Question 25

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

Hand : Finger :: Leg :

A Heel

B Toes

C Walk

D Knee

Answer: B

Explanation:

Hand : Finger :: Leg : Toe

We have finger in our hand and have toe in our leg.

Option B is correct.

SSC Stenographer Previous Papers (Download PDF)

General knowledge

Instructions

For the following questions answer them individually

Question 26

The women's team from which country won the 2018 Carrom World Cup, held in South Korea?

A South Korea

B Japan

C India

D China

Answer: C

SSC GD Constable Previous Papers

Question 27

Who won the 2018 French Open Men's Tennis?

A Roger Federer

- B Rafael Nadal
- C Novak Djokovic
- D Andy Murray

Answer: B

Question 28

The humerus is part of the

- A spine
- B shoulder girdle
- C leg
- D arm

Answer: D

Question 29

The was an Act of the Parliament of Great Britain intended to overhaul the management of the East India Company's rule in India.

- A Pitt's India Act
- B Government of India Act of 1858
- C Indian Councils Act of 1861
- D Regulating Act 1773

Answer: D

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 30

The fundamental rights of citizens are embodied in which part of the Indian Constitution?

- A Part I
- B Part IVA
- C Part VII
- D Part III

Answer: D

Question 31

The harvest festival, Puthari is celebrated by which tribes?

- A Angami
- B Garo
- C Kodava

D Monpa
Answer: C

Question 32

Which of the following is a book by Vikram Seth?

- A The Ocean of Churn
- B River of Smoke
- C Riot At Misri Mandi
- D The Mistress of Spices

Answer: C

SSC GD Constable Previous Papers (DOWNLOAD PDF)

Question 33

Name the Indian ruler of Harkanya dynasty who was the son of Ajatashatru and who laid the foundation of the city of Pataliputra.

- A Pradyota
- B Udayin
- C Mahanandin
- D Nandivardhana

Answer: B

Question 34

Minimum Support Price for 2018-19 for Jowar of the Hybrid variety is set at

- A ₹1,950 per quintal
- B ₹1,750 per quintal
- C ₹2,430 per quintal
- D ₹5,150 per quintal

Answer: C

Question 35

Centripetal force 'F' required for circular motion of an object of mass 'm' moving in circle of radius 'r' at a tangential velocity 'v' is equal to

- A $\frac{mr}{v^2}$
- B $\frac{mv^2}{r}$
- C $\frac{mv}{r^2}$
- D $\frac{mr^2}{v}$

Answer: B

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 36

Which city is NOT situated on the Banks of the Chambal River?

- A Jabalpur
- B Kota
- C Gwalior
- D Dholpur

Answer: A

Question 37

Fundamental duties in the Indian constitution are borrowed from the constitution of

- A France
- B Canada
- C USSR
- D Britain

Answer: C

Question 38

Titan the second largest moon in our solar system orbits around the planet

- A Uranus
- B Jupiter
- C Neptune
- D Saturn

Answer: D

SSC CGL Free Mock Test (Latest Pattern)

Question 39

The Union Budget 2018 announced that Operation Green will be launched for agriculture with a corpus of

- A ₹1,000 crore
- B ₹500 crore
- C ₹5,000 crore
- D ₹100 crore

Answer: B

Question 40

Name the unit in which the calorific value of fuel is expressed.

- A Candela
- B Kilojoule
- C Kelvin
- D Kilogram

Answer: B

Question 41

Which gland controls the functioning of other endocrine glands?

- A Thyroid Gland
- B Pineal Gland
- C Adrenal glands
- D Pituitary gland

Answer: D

SSC CHSL Free Mock Test (Latest Pattern)

Question 42

Name the first Indian to qualify for the Indian Civil Service.

- A V. O. Chidambaram Pillai
- B Satyendranath Tagore
- C Bankim Chandra Chatterjee
- D Dadabhai Naoroji

Answer: B

Question 43

Which of the following dances is a dance form from Arunachal Pradesh?

- A Popir
- B Chiraw
- C Lezim
- D Macha

Answer: A

Question 44

The battle of Karnal (1739) was won by Persian King Nadir Shah by defeating the army of

- A Mughal Emperor, Muhammad Shah
- B Shuja-ud-Daulah, the Nawab of Awadh
- C Ghulam Muhammad Ghouse Khan
- D Ghiyas-ud-din Balban

Answer: A

SSC Stenographer Previous Papers (Latest Pattern)

Question 45

Name the Bharat Ratna recipient who was a social reformer and educator. He played a vital role in the upliftment of women.

- A Bidhan Chandra Roy
- B M Visvesvaraya
- C Govind Ballabh Pant
- D Dhondo Keshav Karve

Answer: D

Question 46

Name the devotional folk music of Manipur usually sung by a group of people.

- A Domkach
- B Khubak eshei
- C Gha To Kito
- D Banvarh

Answer: B

Question 47

The Economic Survey report 2017-18 stated that the Agriculture growth in FY18 was likely to be at

- A 4.30%
- B 2.10%
- C 3.90%
- D 5.50%

Answer: B

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Question 48

Which island emerged in the Bay of Bengal in the aftermath of the Bhola cyclone in 1970?

- A Lohachara Island
- B Jambudwip
- C Ghoramara Island
- D New Moore Island

Answer: D

Question 49

Tesla is the unit of

- A electric conductance
- B magnetic flux density
- C capacitance
- D magnetic flux

Answer: B

Question 50

Who is the first Indian to win the Miss Earth pageant since its inception in 2001?

- A Dia Mirza
- B Reita Faria
- C Nicole Faria
- D Priyanka Chopra

Answer: C

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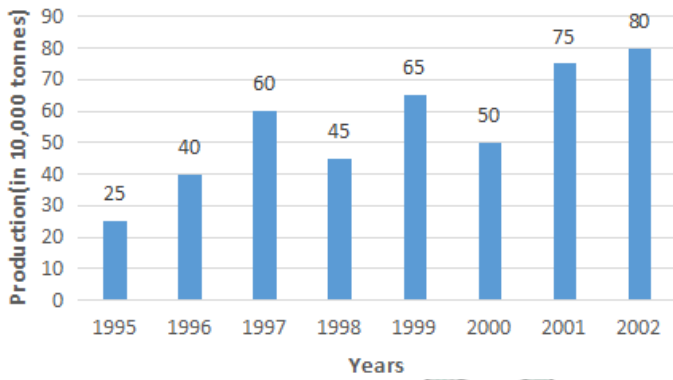
Quant

Instructions

For the following questions answer them individually

Question 51

Production of Fertilizers by a Company (in 1000 tonnes) Over the Years



Study the bar chart and answer the question based on it.

What was the percentage increase in the production of fertilizers in 2001 compared to that in 2000?

- A 40%
- B 30%
- C 25%
- D 50%

Answer: D

SSC CPO Free Mock Test (Latest Pattern)

Question 52

If 15 workers can earn ₹1,800 in 10 days. Find the earning (in ₹) of 5 workers in 8 days.

- A ₹ 540
- B ₹ 480
- C ₹ 360
- D ₹ 400

Answer: B

Explanation:

15 worker working for 10 days = 1800

1 worker working for 1 day = $\frac{1800}{10 \times 15} = 12$

Now 5 worker working for 8 days = $5 \times 8 \times 12 = ₹480$

Option B is correct.

Question 53

Simplify:

$7.8 - 0.4 \text{ of } (5.1 - 3.8) + 9.3 \times 1.5$

- A 23.12

- B 12.23
- C 21.23
- D 23.21

Answer: C

Explanation:

$$7.8 - 0.4 \times (5.1 - 3.8) + 9.3 \times 1.5$$

Using BODMAS,

$$= 7.8 - 0.4 \times (5.1 - 3.8) + 13.95$$

$$= 7.8 - 0.4 \times 1.3 + 13.95$$

$$= 7.8 - 0.4 \times 1.3 + 13.95$$

$$= 7.8 - 0.52 + 13.95$$

$$= 21.75 - 0.52$$

$$= 21.23$$

Option C is correct.

Question 54

A is twice as good as a workman as B. And together, they finish a piece of work in 20 days. In how many days, will A alone finish the work?

- A 30 days
- B 25 days
- C 26 days
- D 28 days

Answer: A

Explanation:

Let B take x days to do a job

Then A takes $\frac{x}{2}$ days

$$\text{Per day they work together } \frac{1}{x} + \frac{2}{x} = \frac{3}{x}$$

In 20 days they do $(\frac{3}{x} \times 20)$ of work

$$\frac{60}{x} = 1$$

$$x = 60$$

$$\text{A takes } \frac{60}{2} = 30 \text{ days}$$

Option A is correct.

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Question 55

If all the sides of a square are increased by 20%, then the area is increased by

- A 46%
- B 44%

C 43%

D 45%

Answer: B

Explanation:

Let the original length of square be x ,

The sides of a square are increased by 20% = $1.2x$

%age increase in area $\frac{1.2x^2 - x^2}{x^2} \times 100 = 44\%$

Option B is correct.

Question 56

If a shopkeeper gives two successive discounts of 20% and 15% on a book whose marked price is Rs. 850, then what is the selling price of the book?

A ₹758

B ₹587

C ₹785

D ₹578

Answer: D

Explanation:

The shopkeeper gives two successive discounts of 20% and 15% on a book whose marked price is Rs. 850.

Total discount = $20 + 15 - \frac{20 \times 15}{100} = 32$

Selling Price = $\frac{68}{100} \times 850 = \text{Rs.}578$ [$SP = \%discount \times MP$]

Option D is correct.

Question 57

A merchant claims that he sells his goods at CP. But uses a weight of 900g for the 1kg weight. find his gain %

A 12%

B 11%

C $12\frac{1}{9}\%$

D $11\frac{1}{9}\%$

Answer: D

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Question 58

What is the least number which when increased by 8 is exactly divisible by 4, 5, 6 and 7?

A 322

B 312

C 412

D 422

Answer: C

Explanation:

LCM of 4, 5, 6 and 7 = 420

Therefore the required number is = $420 - 8 = 412$

Option C is correct.

Question 59

Out of 12 terms, the average of first 6 terms is 36 and that of last 6 terms is 42. If the average of first 11 terms is 38, find the 12th term.

A 44

B 40

C 50

D 42

Answer: C

Explanation:

Total for 12 terms = $(6 \times 36) + (6 \times 42) = 468$

Total for first 11 terms = $11 \times 38 = 418$

Therefore, 12th term = $468 - 418 = 50$

Option C is correct.

Question 60

Gold is 12 times as heavy as aluminum and copper is 5 times as heavy as aluminum. In what ratio gold and copper should be mixed to get an alloy 8 times of aluminum.

A 2 : 1

B 3 : 4

C 1 : 2

D 4 : 3

Answer: B

Explanation:

A is weight of Aluminium.

Gold is 12 times as heavy as aluminum and copper is 5 times as heavy as aluminum and the alloy have 8 times of aluminum.

Gold = $12A$, Copper = $5A$, Alloy = $8A$

Let ratio of Gold and Copper be $1 : x$, so the total alloy = $(1+x)$

Acc to question,

$$12A + x \times 5A = (1 + x)8A$$

$$12A + 5Ax = 8A + 8Ax$$

$$x = \frac{4}{3}$$

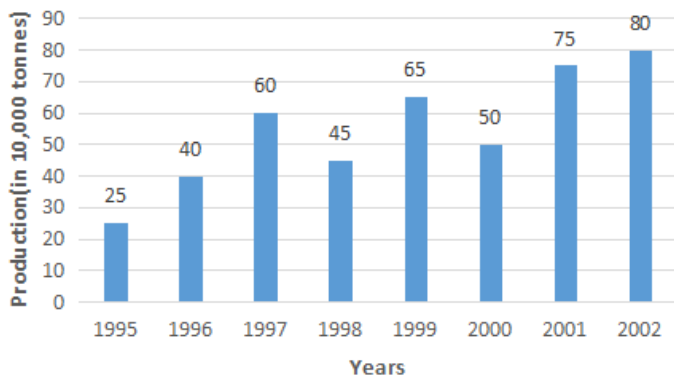
Ratio of Gold and Copper be $1 : x = 3 : 4$

Option B is correct.

SSC GD Important Questions and Answers PDF

Question 61

Production of Fertilizers by a Company (in 1000 tonnes) Over the Years



Study the bar chart and answer the question based on it.

In how many of the given years was the production of fertilizers less than the average production of the given years?

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

Answer: B

Question 62

Vishal covers a distance of 20 km in 30 min. If he covers half of the distance in 18 min, what should be his speed to cover the remaining distance and completes the whole journey in 30 min.

- A 50 km/hr
- B 55 km/hr
- C 60 km/hr
- D 65 km/hr

Answer: A

Explanation:

Vishal covers a distance of 20 km in 30 min. He covers half of the distance in 18 mins.

Remaining distance left to be covered = $20 - 10 = 10 \text{ km}$

Remaining time = $30 - 18 = 12 \text{ mins} = \frac{12}{60} \text{ hr}$

Speed = $\frac{10}{\frac{12}{60}} = 50 \text{ kmph}$

Option A is correct.

Question 63

Simplify:

$$\frac{1}{2} \text{ of } (9.5 - 2.5) - (5 \times 0.35)$$

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

Answer: D

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Question 64

Om Prakash travels Bombay to Pune at a speed of 80 km/hr and returns back to Bombay by increasing his speed by 50%, then his average speed for the whole journey is

- A 96 km/hr
- B 67 km/hr
- C 69 km/hr
- D 65 km/hr

Answer: A

Explanation:

Om Prakash travels Bombay to Pune at a speed of 80 km/hr

He returns back to Bombay by increasing his speed by 50% = $1.5 \times 80 = 120$

his average speed for the whole journey is = $\frac{2(V_1 \times V_2)}{V_1 + V_2}$

$$= \frac{2(80 \times 120)}{80 + 120} = 96 \text{ kmph}$$

Option A is correct.

Question 65

Manjeet Singh sold an article for ₹9000 gaining 1/5 of its C.P. Find the gain %.

- A 10%
- B 22%
- C 20%
- D 25%

Answer: C

Explanation:

Manjeet Singh sold an article for ₹9000

Let CP be cost price

$$\text{Profit} = \frac{1}{5} \times CP = 0.2CP$$

Now Profit percentage is product of Profit and 100 by CP.

$$\text{Profit percentage} = \frac{\text{Profit}}{CP} \times 100$$

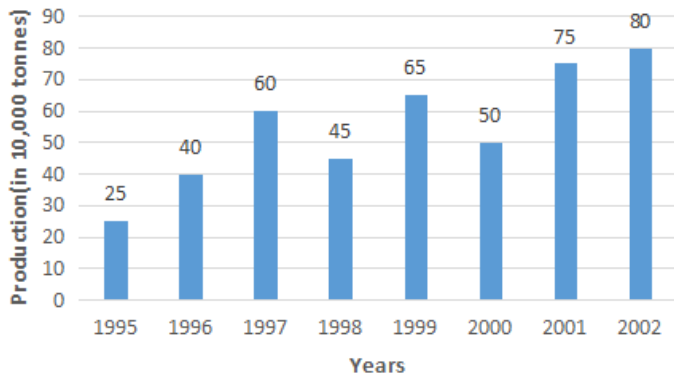
$$\text{Profit percentage} = \frac{0.2CP}{CP} \times 100$$

Profit percentage = 20 %

Option C is correct

Question 66

Production of Fertilizers by a Company (in 1000 tonnes) Over the Years



Study the bar chart and answer the question based on it.

The average production of 1999 and 2000 was less than the average production of which of the following pairs of years?

- A 1998 and 2000
- B 1996 and 1997
- C 2000 and 2001
- D 1995 and 2001

Answer: C

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Question 67

If ₹3800 is distributed among A, B, C such that A : B = 1 : 2 and B : C = 3 : 5, find the share of B.

- A ₹1200
- B ₹2000
- C ₹1400
- D ₹600

Answer: A

Explanation:

If ₹3800 is distributed among A, B, C such that A : B = 1 : 2 and B : C = 3 : 5

Equating the two ratios we get A : B : C = 3 : 6 : 10

Let x = 3800, A : B : C = 3x : 6x : 10x

$$A + B + C = 19x = 3800, x = 200$$

$$B = 6 \times 200 = 1200$$

Option A is correct.

Question 68

A cloth was 50 cm broad and 8 cm long. When washed, it was found to have lost 25% of its length and 14% of its breath. Then the percentage decreased in area is

A 34.5%

B 35.5%

C 36%

D 35%

Answer: B

Explanation:

A cloth was 50cm broad and 8 cm long.

$$\text{Original Area} = 50\text{cm} \times 8\text{cm} = 400\text{cm}^2$$

When washed, it was found to have lost 25% of its length and 14% of its breath.

$$\text{New Area} = 0.75 \times 50\text{cm} \times 0.84 \times 8\text{cm} = 258\text{cm}^2$$

$$\text{The percentage decreased in area} = \frac{400 - 258}{400} = 35.5\%$$

Option B is correct.

Question 69

In an election contest between A and B, A wins by the margin of 480 votes. If A gets 70% of the total votes. then total votes are

A 1400

B 1200

C 4800

D 1600

Answer: B

Explanation:

Let x be total number of votes.

A gets 70% of the total votes and B gets rest 30%.

$$\begin{aligned} A &= 0.7x \\ B &= 0.3x \end{aligned}$$

A wins by the margin of 480 votes, i.e $A - B = 480$

$$0.7x - 0.3x = 480$$

$$x = 1200$$

Option B is correct.

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Question 70

The price of a scooter which was bought for ₹84,000 depreciates at the rate of 10% p.a. Find its price after 2 years?

- A ₹46080
- B ₹68040
- C ₹86040
- D ₹64800

Answer: B

Explanation:

The price of a scooter which was bought for ₹84,000

Rate = 10% p.a. Time = 2 years

Depreciated amount after 2 years = $P(1 - \frac{R}{100})^n$

$$= 84000(1 - \frac{10}{100})^2$$

$$= ₹ 68040$$

Option B is correct.

Question 71

In a mixture of 60 liters, milk and water are in the ratio 2:1. find the quantity of water to be added to make the ratio 4:3

- A 12 liters
- B 10 liters
- C 15 liters
- D 20 liters

Answer: B

Explanation:

$$\text{Milk in the mixture} = \frac{2}{3} \times 60 = 40$$

$$\text{Water in the mixture} = \frac{1}{3} \times 60 = 20$$

Let x be the water added to the mixture

According to question,

$$\frac{40}{x+20} = \frac{4}{3}$$

$$\Rightarrow x = 10$$

Option B is correct.

Question 72

A cuboidal tank has 48000 liters of water. Find the depth of water in the tank if length of the tank is 6m and breadth is 4m.

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

Answer: D

Explanation:

A cuboidal tank has 48000 liters of water. Length of the tank is 6m and breadth is 4m.

$$1m^3 = 1000\text{litre}$$

Volume of cuboid = $Length \times breadth \times height$

$$6m \times 4m \times Height = 48m^3$$

The depth of water in the tank = $2m$

Option D is correct.

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Question 73

Find the number of years in which an amount invested at 8% p.a. simple interest doubles itself.

- A 12 years
- B 11 years
- C $12\frac{1}{2}$ years
- D $10\frac{1}{2}$ years

Answer: C

Question 74

The mean of a, b, c, d and e is 36. If the mean of b, d and e is 32, what is the mean of a and c?

- A 24
- B 44
- C 42
- D 46

Answer: C

Explanation:

The mean of a, b, c, d and e is 36. The mean of b, d and e is 32

$$\text{Total of a, b, c, d and e} = 36 \times 5 = 180$$

$$\text{Total of b, d and e} = 32 \times 3 = 96$$

$$\text{Mean of a and c} = \frac{180-96}{2} = 42$$

Option C is correct.

Question 75

If the sum of five consecutive even numbers is 40 more than the average of those numbers, then find the middle number of the series?

- A 30
- B 10
- C 20
- D 40

Answer: B

Explanation:

Let the first number be x and the consecutive nos be $x+1, \dots, x+4$

If the sum of five consecutive even numbers is 40 more than the average of those numbers,

Acc to question,

$$x + (x + 1) + (x + 2) + (x + 3) + (x + 4) = 40 + \frac{x + (x+1) + (x+2) + (x+3) + (x+4)}{5}$$

$$5x + 10 = 42 + x$$

$$x = 8$$

Therefore the 3rd number (which is the middle number) = $x + 2 = 10$

Option B is correct.

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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.

Your promotion will be depend the quality of your work.

- A depends upon
- B will be dependent
- C No improvement
- D depend on

Answer: A

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Question 77

Select the word which means the sameas the group of words given.

A story, poem ora picture that can be interpreted to reveal a hidden meaning.

- A Allegory
- B Simile
- C Resemblance
- D Representation

Answer: A

Question 78

From the given options, identify the segment in the sentence which contains the grammatical error.
An excellent response for his readers refreshes the author andstirs his creative sense and functional skills.

- A An excellent response

- B his creative sense
- C for his readers refreshes
- D functional skills

Answer: C

Question 79

**Select the word which means the same as the group of words given.
Concerning appreciation of art.**

- A Particularistic
- B Idealistic
- C Poetic
- D Aesthetic

Answer: D

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Question 80

**Select the option that means the same as the given idiom.
To bite off more than you can chew.**

- A To eat very heavy and rich food
- B To challenge someone to do difficult work
- C To take on a task too big for oneself
- D To finish a work in bits and pieces

Answer: C

Question 81

Select the most appropriate option to fill in the blank.

Online shopping platforms provide information on books, groceries, medicines, etc. so that we can get the latest products.

- A timeworn
- B old
- C instant
- D previous

Answer: C

Question 82

**Select the antonym of the given word.
COMMENCE**

- A Start

- B Pause
- C Close
- D Clamp

Answer: C

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Question 83

Select the most appropriate word to fill in the blank.

A software tool used to read electronic documents is known as

- A motherboard
- B browser
- C broadband
- D internet

Answer: B

Question 84

From the given options, identify the segment in the sentence which contains the grammatical error.

In India, child labour is a socio - economic issue that need urgent attention by everyone.

- A child labour is a
- B socio - economic issue
- C by everyone.
- D that need urgent attention

Answer: D

Question 85

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.

While participating in the marathon an eighteen year old girl was knocked for by a passing truck.

- A No improvement
- B knocked up by
- C knocked in by
- D knocked down by

Answer: D

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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:

Students should develop a quality of (1)..... to elders and respecting their views. Their experience and knowledge can play a majorrole in shaping a student's personality and career. Students should (2)..... this much - needed knowledge and experience from parents and teachers. Being (3)..... helps students to keep themselves morally high. One should not get carried away by success. Students should also learn to respect (4)..... views and cope with diverse situations. These qualities will play a vital role in the (5)..... of teamwork and leadership skills.

Question 86

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

- A listen
- B listened
- C listens
- D listening

Answer: D

Question 87

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

- A measure
- B acquire
- C access
- D assess

Answer: B

Question 88

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

- A smart
- B simple
- C intelligent
- D sharp

Answer: B

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Question 89

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

- A general
- B expressive
- C typical
- D different

Answer: D

Question 90

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

- A structure
- B development
- C manufacture
- D arrangement

Answer: B

Instructions

For the following questions answer them individually

Question 91

Select the synonym of the given word.

IMPLICIT

- A Tacit
- B Unclear
- C Honest
- D Unheard

Answer: A

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Question 92

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 National Sample Survey is Directorate is first set up under the Ministry of Finance in 1950.

- A Directorate had first set up
- B Directorate were first set up
- C No improvement
- D Directorate was first set up

Answer: D

Question 93

Select the most appropriate word to fill in the blank.

The news of the general elections was covered by media.

- A sole
- B multiple
- C singular

D single

Answer: B

Question 94

Select the antonym of the given word.

EXPAND

A Collect

B Deposit

C Express

D Contract

Answer: D

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Question 95

Select the correctly spelt word.

A Audibal

B Audeuble

C Audible

D Audiable

Answer: C

Question 96

Select the most appropriate option to fill in the blank.

People high in humility avoid expecting special treatment.

A none

B any

C one

D only

Answer: B

Question 97

Select the option that means the same as the given idiom.

Bark up the wrong tree.

A To make no mistakes about doing something

B To make dogs bark at cats hiding in trees

C To send dogs to track someone

D To be wrong about the reason for or way of doing something

Answer: D

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Question 98

From the given options, identify the segment in the sentence which contains the grammatical error.
A mere 43% of Indian woman own cellular phones, as opposed to almost 80% of men.

- A as opposed to
- B own cellular phones
- C A mere 43% of Indian woman
- D almost 80% of men

Answer: C

Question 99

Select the synonym of the given word.

RIDDLE

- A Puzzle
- B Response
- C Game
- D Reaction

Answer: A

Question 100

Select the correctly spelt word.

- A Vegetarian
- B Vegaitarian
- C Vegetarian
- D Vezetarian

Answer: C

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