



SSC GD 3rd March 2019 Shift-1

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Reasoning

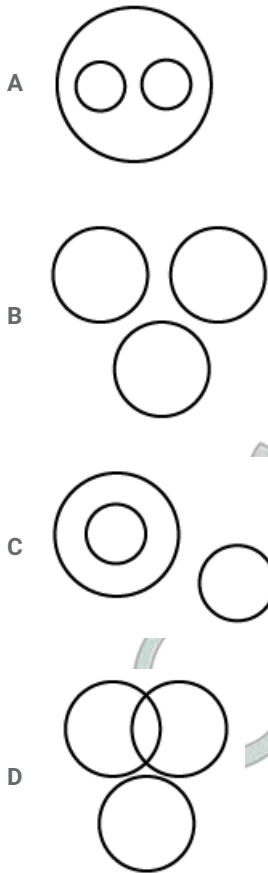
Instructions

For the following questions answer them individually

Question 1

Select the Venn diagram that best illustrates the relationship between the three given classes.

Keyboard, Monitor, Mouse



Answer: B

Explanation:

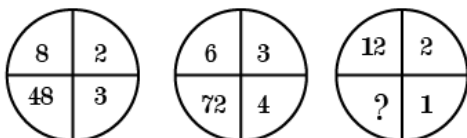
Keyboard, Monitor, Mouse are three different things used in computer as peripheral devices.

Hence Option B is correct Diagram to represent three different separate circles.

SSC GD Free App

Question 2

Find the missing number from the below options.



A 12

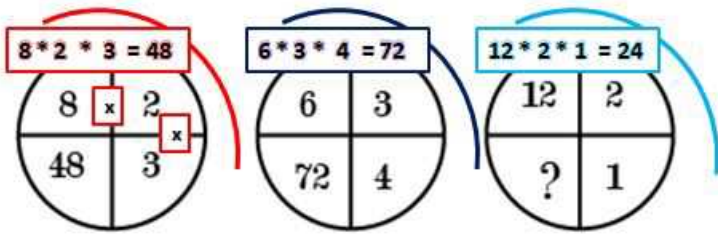
B 48

C 24

D 56

Answer: C

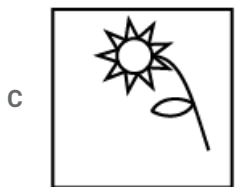
Explanation:
Answer is 24.



Question 3

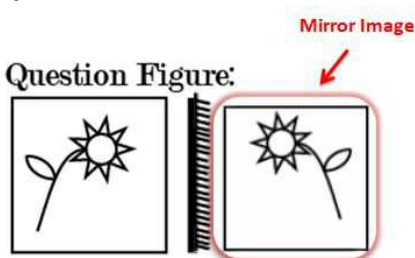
Choose the option that most closely resembles the mirror image of the given figure when mirror is placed at right side.

Question Figure:



Answer: B

Explanation:



Option B is correct Option.

Question 4

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

MNQR : LMPQ :: ? : RSVW

- A STWX
- B WYTS
- C SVWY
- D VIWY

Answer: A

Explanation:

MNQR : LMPQ :: ? : RSVW

M-1=L

N-1=M

Q-1=P

R-1=Q

Similarly,

S-1=R

T-1=S

W-1=V

X-1=W

STWX : RSVW

SSC GD Important Questions and Answers PDF

Question 5

If RED is coded as 19, then how WED would be coded?

- A 21
- B 28
- C 22
- D 24

Answer: D

Explanation:

Add the position of 1st Alphabet and the 2nd Alphabet and subtract it from the 3rd Alphabet as per their position in the alphabetical series to get the Answer.

$$\text{RED} = 18 + 5 - 4 = 19 (R = 18, E = 5, D = 4)$$

$$\text{WED} = 23 + 5 - 4 = 24 (W = 23, E = 5, D = 4)$$

Hence WED = 24

Question 6

A, B, C, D, E, F, G and H are sitting around a round table facing the centre. D is fourth to the right of H and second to the left of B. F is fourth to the right of B. C is fourth to the right of E, who is not an immediate right of B or D. A is not an immediate neighbour of D. In which of the following combinations is the third person sitting in between the first and the second persons?

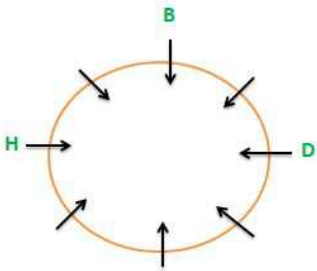
- A CBA
- B ABC
- C GCD
- D AHE

Answer: C

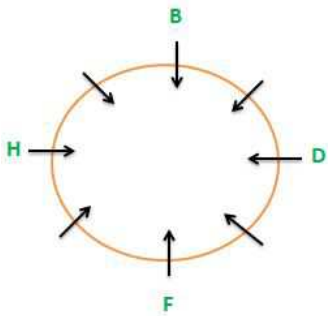
Explanation:

Let's input all the instruction in inside facing circle one by one...

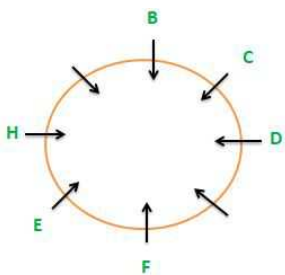
1) G and H are sitting around a round table facing the centre. D is fourth to the right of H and second to the left of B.



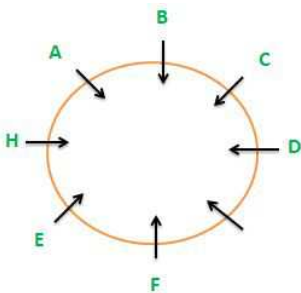
2) F is fourth to the right of B.



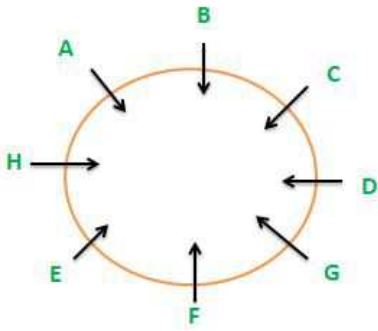
3) C is fourth to the right of E. E (who) is not an immediate right of B or D.



4) A is not an immediate neighbor of D.



5) Placing last G alphabet. Hence Final figure will be:-



GCD is an combinations is the third person sitting in between the first and the second persons.

Question 7

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

Television : Telecast :: Radio : ?

- A Broadcast
- B Friendship
- C Compose
- D Talking

Answer: A

Explanation:

Television is medium to Telecast

Similarly, Radio is used for Broadcast.

SSC GD Syllabus (Download PDF)

Question 8

In a certain code "SMART" is written as "RKXNO", How is "GREAT" written in that code?

- A BGFWO
- B FPBWO
- C RPFGW
- D FPBWR

Answer: B

Explanation:

We go in reverse alphabet series to get logic of this word "SMART" = "RKXNO",

S-1=R

M-2=K

A-3=X

R-4=N

T-5=O

Similarly, "GREAT" = "FPBWO"

G-1=F

R-2=P

E-3=B

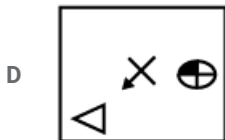
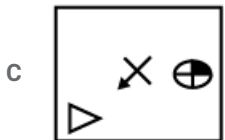
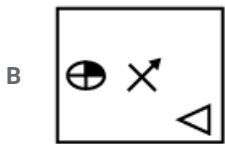
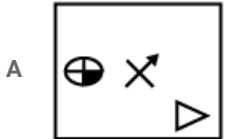
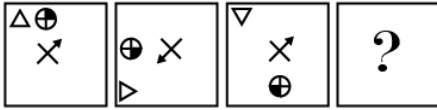
A-4=W

T-5=O

Option B is correct.

Question 9

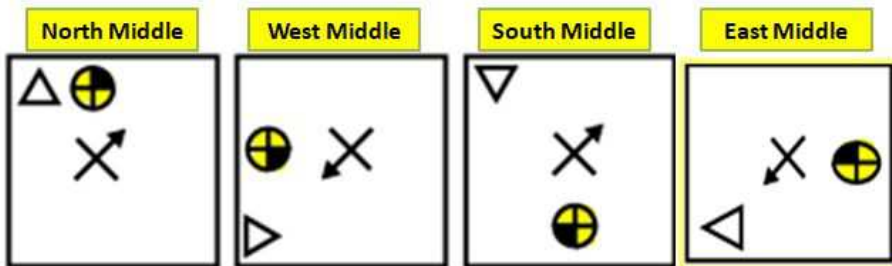
Choose the option which completes the given figure series



Answer: D

Explanation:

Circle inside square is moving in anti-clockwise first North, then West, Then South, then East.



Hence Option D is correct Option.

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.

42 : 72 :: 12 : ?

A 30

B 43

C 35

D 48

Answer: A

Explanation:

$$\begin{array}{r} 4 \times 2 \\ 7 \times 2 \end{array}$$

cross multiply
 $= 7 * 2 - 4 * 2$
 $= 14 - 8$
 $= 6$

$$\begin{array}{r} 1 \times 2 \\ 3 \times 0 \end{array}$$

Cross multiply
 $= 1 * 0 - 3 * 2$
 $= 0 - 6$
 $= -6$

Hence $42 : 72 :: 12 : 30$

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Question 11

Select the option that is related to the third term in the same way as the first term is related to the second term.
Mango : Fruit :: Potato : ?

- A Flower
- B Fruit
- C Vegetable
- D Stem

Answer: C

Explanation:

Mango is a Fruit. Similarly, Potato is an vegetable.

Question 12

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

- A Dumb
- B Sinus
- C Deaf
- D Blind

Answer: B

Explanation:

Dumb, Deaf, Blind are Deficiency in human body hence they are similar and form a one group.

But Sinus is a disease related to breathing problem.

Hence Sinus is odd one.

Question 13

Sonam is older than Renu. Komal is younger than Renu. Priya is older than Sonam. Who is the eldest of them?

- A Sonam
- B Renu
- C Priya
- D Komal

Answer: C

Explanation:

1) Sonam is older than Renu.
= Sonam > Renu

2) Komal is younger than Renu.
= Renu > Komal

3) Priya is older than Sonam.
= Sonam > Priya

If we consolidate all three sentences 1,2,3 the Correct Sequence of age from oldest to youngest is **Priya > Sonam > Renu > Komal**.

Hence **Priya** is oldest in age.

[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 2248
- B 3036
- C 1258
- D 3196

Answer: D

Explanation:

Add first three digit to get fourth digit of number.

$$2248(2 + 2 + 4 = 8)$$

$$3036(3 + 0 + 3 = 6)$$

$$1258(1 + 2 + 5 = 8)$$

Odd one is Option D as it does not follow the pattern, $3196(3 + 1 + 9 = 13)$ last digit should be 13 instead of 6)

Question 15

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 roses are fruits.

All fruits are trees.

Conclusions:

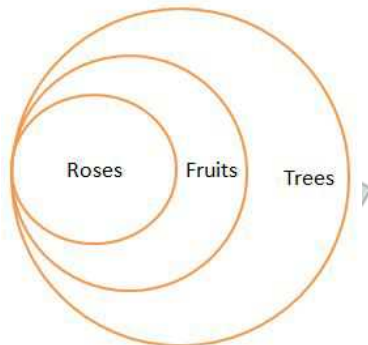
I. All trees are roses.

II. Some fruits are roses.

- A Both Conclusions I and II follow
- B Either Conclusion I or II follows
- C Only Conclusion I follows
- D Only Conclusion II follows

Answer: D

Explanation:



Conclusions:

- I. All trees are roses- False
 - II. Some fruits are roses- True
- Only Conclusion II follow.**

Question 16

Select the correct option that will fill in the blank and complete the series.
14, 18, 24, 32, 42, ?

- A 54
- B 50
- C 52
- D 48

Answer: A

Explanation:

$$18-14 = +4$$

$$24-18 = +6$$

$$32-24 = +8$$

$$42-32 = +10$$

Hence last number $42 + 12 = 54$

14, 18, 24, 32, 42, 54

SSC MTS Previous Question papers (download pdf)

Question 17

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

- A KMP
- B ACF

C TVY

D BCG

Answer: D

Explanation:

$K+2=M$, $M+3=P$ (KMP)

$A+2=C$, $C+3=F$ (ACF)

$T+2=V$, $V+3=F$ (TVY)

but,

$B+1=D$, $C+4=G$ (BCG) is not the correct pattern.

Hence Option D is odd

Question 18

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 grapes are mangoes.

All mangoes are apples.

Conclusions:

I. Some mangoes are grapes.

II. All apples are grapes.

A Only Conclusion I follows

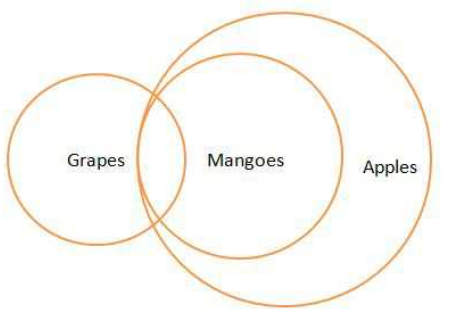
B Either Conclusion I or II follows

C Both Conclusions I and II follow

D Only Conclusion II follows

Answer: A

Explanation:



Conclusions:

I. Some mangoes are grapes- True.

II. All apples are grapes- False.

Only Conclusion I follows.

Question 19

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

117, 107, 92, 72,

A 42

B 47

C 37

D 52

Answer: B

Explanation:

$$117 - 10 = 107$$

$$107 - 15 = 92$$

$$92 - 20 = 72$$

$$72 - 25 = 47$$

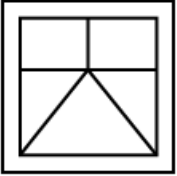
Hence, Correct Sequence will be 117, 107, 92, 72, 47

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Question 20

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

Question Figure:



A



B



C



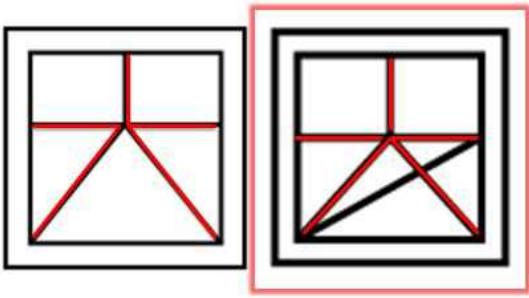
D



Answer: D

Explanation:

Star type shape is embedded in Image D.



Question 21

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

A, G, L, P, S, ...

A W

B U

C X

D Y

Answer: B

Explanation:

Logic of Question is $A+6 = G$, $G+5=L$, $L+4=P$, $P+3=S$, $S+2=U$, Hence U is correct option.

Question 22

P, M, D, A, F, H, R and B are sitting around a circle facing at the center. R is fourth to the right of A, who is third to the right of P. M is second to the left of H, who is second to the left of P. D is third to the right of B.

Which of the following pairs are immediate neighbors of B?

A AP

B MP

C AF

D FM

Answer: C

Explanation:

Let's make one by one all condition in diagram

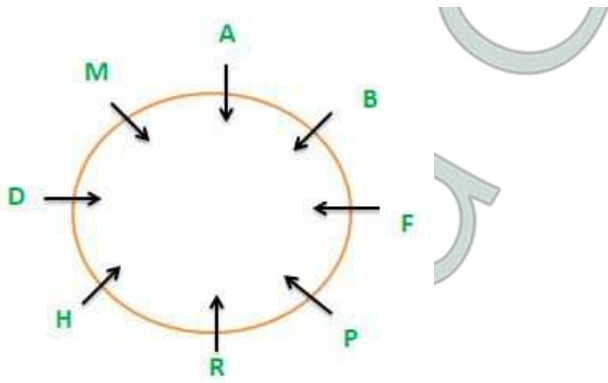
1) R is fourth to the right of A,

2) A is third to the right of P.

3) M is second to the left of H,

4) H is second to the left of P.

5) D is third to the right of B.



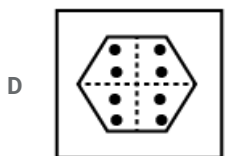
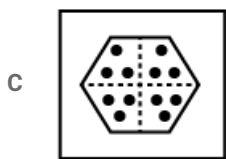
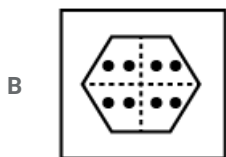
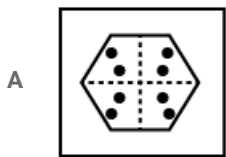
AF pairs are immediate neighbors of B

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 23

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

Questions Figure:



Answer: A

Explanation:

There are 2 dot diagonally on each side of figure. Hence Option A is correct.



Question 24

If '+' means '×', '-' means '+', '×' means '÷' and '÷' means '-', then find the value of the following equation:-

$$21 \div 8 + 2 - 12 \times 3 = ?$$

- A 13.5
- B 14
- C 10
- D 9

Answer: D

Explanation:

$$21 \div 8 + 2 - 12 \times 3 = x$$

Lets input the sign '+' with '×', '-' with '+', '×' with '÷' and '÷' with '-' in the given question.

$$21 - 8 \times 2 + 12 \div 3 = x$$

$$21 - 16 + 4 = x$$

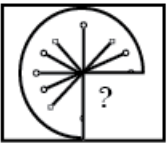
$$5 + 4 = x$$

$$9 = x$$

Question 25

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

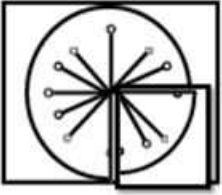
Questions Figure:



Answer: C

Explanation:

Option C is correct Answer.



SSC Stenographer Previous Papers (Download PDF)

General knowledge

Instructions

For the following questions answer them individually

Question 26

The Supreme Court was established at Fort William in as the Apex Court in 1774.

- A Delhi
- B Shimla
- C Mumbai
- D Kolkata

Answer: D

SSC GD Constable Previous Papers

Question 27

Who won the 2018 US Open Men's Tennis?

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

Answer: C

Question 28

The Union Budget 2018 allocated for food processing, which was almost double of the allocation in the previous year's budget.

- A ₹2,900 crore
- B ₹1,400 crore
- C ₹1,900 crore
- D ₹2,400 crore

Answer: B

Question 29

In the 2018 Sultan Azlan Shah Cup, India beat which country 4-1 to comeat the fifth place?

- A Australia
- B Malaysia
- C Ireland
- D Pakistan

Answer: C

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 30

Who did Mughal Emperor Babur defeat in the Battle of Ghagra in 1529?

- A Yusuf Adil Shah
- B Mahmud Lodi
- C Dilawar Khan Husain
- D Qasim Barid I

Answer: B

Question 31

The mandible is part of the

- A hand
- B arm
- C skull
- D pelvic girdle

Answer: C

Question 32

..... is an important copper ore mineral

- A Galena
- B Cassiterite
- C Cinnabar
- D Chacocite

Answer: D

SSC GD Constable Previous Papers (DOWNLOAD PDF)

Question 33

The GDP growth rate for the fiscal year 2017-2018 was pegged at by the Economic Survey report 2017-18.

A 8.25%

B 7.25%

C 5.75%

D 6.75%

Answer: D

Question 34

Which of the following is the southernmost of the Lakshadweep islands?

A Bitra

B Kavaratti

C Amini

D Minicoy

Answer: D

Question 35

Name the type of folk songs of Sikkim which describe the natural beauty of the state.

A Gha To Kito

B Mando

C Khubakeshei

D Deknni

Answer: A

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 36

Studies on political and social inequalities in democracy show that:

A Dictatorship is better than democracy

B Inequalities do not exist in dictatorships

C Inequalities exist in democracies

D Democracy deters development

Answer: C

Question 37

Name the first Indian to become a member of the British Parliament.

A Pilloo Mody

B Dadabhai Naoroji

- C Bhikaiji Cama
- D Jamsheji Tata

Answer: B

Question 38

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

- A Lezim
- B Chiraw
- C Ottam Thullal
- D Macha

Answer: D

SSC CGL Free Mock Test (Latest Pattern)

Question 39

Who founded the Maurya dynasty after defeating Dhana Nanda?

- A Bindusara
- B Ashoka
- C Kunala
- D Chandragupta

Answer: D

Question 40

Weber is the unit of

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

Answer: B

Question 41

The formula of Acetonitrile is

- A CH_3OCN
- B C_2N_2
- C CH_3CN
- D CH_2CHCN

Answer: C

SSC CHSL Free Mock Test (Latest Pattern)

Question 42

Which of the following is a correct equation of motion?

- A $u = v + at^2$
- B $2s = (v - u)t$
- C $2s = 2ut + at^2$
- D $v^2 + u^2 = 2as$

Answer: C

Question 43

Which of the following Indian National political parties is reputed to be one of the oldest, founded in 1885 and has experienced many splits?

- A Communist Party of India – Marxist (CPI-M)
- B Nationalist Congress Party (NCP)
- C Indian National Congress (INC)
- D Bahujan Samaj Party (BSP)

Answer: C

Question 44

Losar Festival is celebrated by the people of the tribe.

- A Khasi
- B Kodava
- C Munda
- D Monpa

Answer: D

SSC Stenographer Previous Papers (Latest Pattern)

Question 45

Ganymede is by far the largest moon in our solar system orbits around the planet

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

Answer: C

Question 46

Whose birthday is celebrated as Engineer's Day?

- A Abdul Kalam Azad
- B J R D Tata
- C M Visvesvaraya
- D C V Raman

Answer: C

Question 47

Which of the following rivers flows into the Arabian Sea?

- A Mahi
- B Krishna
- C Penna
- D Rushikulya

Answer: A

SSC GD Constable Free Mock Test (Latest Pattern)

Question 48

Which book by Kiran Desai is a tale of a young man named Sampath Chawla?

- A Hullabaloo in the Guava Orchard
- B Selection Day
- C An Equal Music
- D It Happens for a Reason

Answer: A

Question 49

Minimum Support Price for 2018-19 for Paddy of the Common variety is set at

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

Answer: B

Question 50

Which is the first ever known autobiography of an Indian woman?

- A My reminences
- B Beyond the jungle
- C Amar Jiban
- D Cityty of 2 gateways

Answer: C

SSC MTS Free Mock Test (Latest Pattern)

Quant

Instructions

For the following questions answer them individually

Question 51

Simplify : $5 - 6.5 \div 13 + 2.3 \times 0.8 + 0.4$

- A 6.83
- B 6.74
- C 7.38
- D 5.38

Answer: B

Explanation:

$$\begin{aligned} &= 5 - 6.5 \div 13 + 2.3 \times 0.8 + 0.4 \\ &= 5 - 0.5 + 2.3 \times 0.8 + 0.4 \\ &= 5 - 0.5 + 1.84 + 0.4 \\ &= 4.51.84 + 0.4 \\ &= 6.74 \end{aligned}$$

SSC CPO Free Mock Test (Latest Pattern)

Question 52

A car travels 60km in the first hour , 65km in the second hour , 70km in the third hour, then the average speed of the car is

- A 66 km/hr
- B 62 km/hr
- C 56 km/hr
- D 65 km/hr

Answer: D

Explanation:

Average speed=Total distance/Total time
Distance 1=60*1=60 km

Distance 2=65*1=65 km
Distance 3=70*1=70 km
Total distance=195 km
Total time=3 hours
Average speed=195/3
=65 km/hr

Question 53

Amit borrowed ₹8000 from a moneylender with Simple interest for as many years as the rate of interest. If he paid ₹2000 as interest at the end of loan period, what was the rate of interest?

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

Answer: A

Explanation:

$I = PTR/100$
Given $I = R \cdot 2000$
 $2000 = 8000 \cdot R \cdot R/100$
 $R \cdot R = 2000/80$
 $R \cdot R = 5 \cdot 5$
 $R = 5\%$

Question 54

Average of 'n' observations is 38, average of 'n' other observations is 42 and average of remaining 'n' observations is 55. Average of all the observations is:

- A 45
- B 35
- C 55
- D 40

Answer: A

Explanation:

Sum of first n observations = 38n
Sum of next n observations = 42n
Sum of last n observations = 55n
Total sum = 135n
Average = 135n/3n
= 45

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Question 55

I sold an article for ₹8800 thus gained 10%. For what amount should sell it to get 15% profit?

- A ₹9,400
- B ₹9,300

C ₹9,200

D ₹9,500

Answer: C

Explanation:

SP=8800

Profit percent=10%

Therefore $1.1 \times \text{CP} = 8800$

$\text{CP} = 8800 \times 100 / 11$

CP=8000

We have profit percent=15

SP=1.15CP

SP=1.15*8000

SP=Rs 9200

Question 56

Simplify: $8 + 3 - \left(\frac{5}{2} \times \frac{1}{3} \right)$ of $\frac{12}{5} + \frac{4}{3} \times \frac{3}{8}$

A 9.5

B 10

C 9

D 19

Answer: A

Explanation:

$= 8 + 3 - \left(\frac{5}{2} \times \frac{1}{3} \right)$ of $\frac{12}{5} + \frac{4}{3} \times \frac{3}{8}$

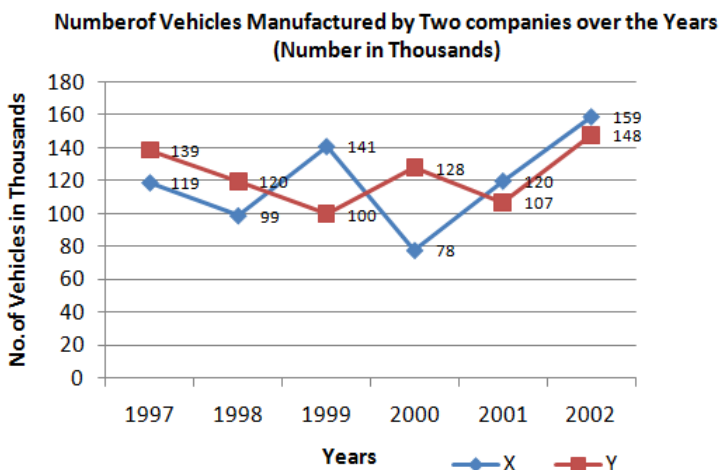
$= 8 + 3 - 2 + \frac{3}{3} \times \frac{3}{8}$

$= 8 + 3 - 2 + \frac{1}{2}$

=9.5

Question 57

Study the following line graph and answer the question based on it.



What is the difference between the total productions of the two companies from 1997 to 2000?

A 40000

B 50000

C 30000

D 60000

Answer: B

Explanation:

Sum of vehicles manufactured in the give years by X = $78+119+99+141=437$

Sum of vehicles manufactured in the given years by Y = $139+120+100+128=487$

Difference = $487k-437k$

=50k

=50000

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Question 58

A, B and C can do a piece of work in 12 , 15 and 30 days respectively. If they do a work together, find the ratio in which the amount is to be distributed

A 4 : 5 : 2

B 2 : 5 : 4

C 2 : 4 : 5

D 5 : 4 : 2

Answer: D

Explanation:

LCM of 12,15 and 30 is 60 units

Each day A can do $60/12 = 5$ units of work

Each day B can do $60/15 = 4$ units of work

Each day C can do $60/30 = 2$ units of work

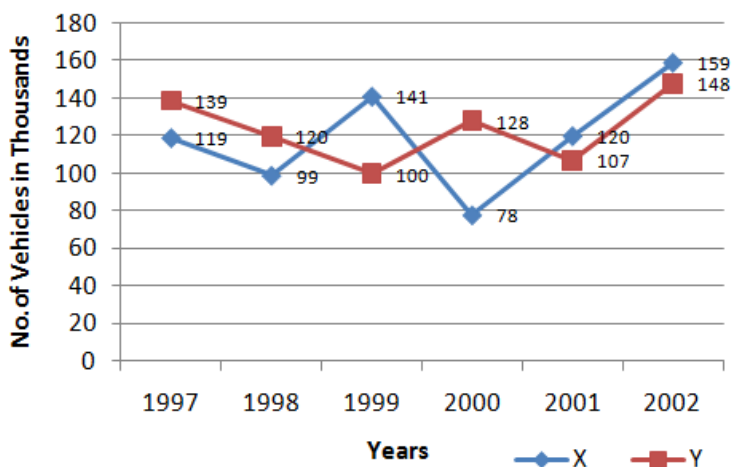
So ratio of money is in the ratio of units of work done each day

i.e 5:4:2

Question 59

Study the following line graph and answer the question based on it.

Number of Vehicles Manufactured by Two companies over the Years
(Number in Thousands)



In which of the following years, the difference between the productions of Companies X and Y was the minimum among the given years?

A 1997

B 2000

C 2002

D 1999

Answer: C

Explanation:

Difference between the sales in 1997=139-119=20

Difference between the sales in 1998=120-99=21

Difference between the sales in 1999=141-100=41

Difference between the sales in 2000=128-78=50

Difference between the sales in 2001=120-107=13

Difference between the sales in 2002=159-148=11

So in the year 2002 it is least

Question 60

Ramu got a newtable for 25% discount. Had he got no discount, Ramu would have had to pay ₹185 more. How much did Ramu pay for the table?

A 535

B 545

C 555

D 565

Answer: C

Explanation:

Let the cost price be x

He got 25% discount and so he paid 0.75x but given if no discount then he would have paid 185 more

and so $x/4 = 185$

$x=740$

So Ramu paid $740-185$

=Rs 555

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Question 61

In an examination, a student has to secure 35% of the maximum marks to pass. One student got 70 marks and failed by 70 marks. The maximum marks in the examination are

A 400

B 300

C 500

D 200

Answer: A

Explanation:

Let the total marks of the exam be x

For passing the exam 35% of marks are required

So 0.35x is the passing mark

Given the person got 70 and failed by 70 so the pass marks are $70+70=140$

Therefore $0.35x=140$

$x=400$

Question 62

The length and breadth of a rectangle are in the ratio 8:3. Find its area if perimeter is 132 cm.

- A 864 cm^2
- B 684 cm^2
- C 648 cm^2
- D 846 cm^2

Answer: A

Explanation:

Let the length and breadth be $8x$ and $3x$ respectively.

Perimeter of rectangle = $2(l+b)$

$= 2(11x)$

$= 22x$

Given $22x = 132$

$x = 6$

Area = $l \times b$

$= 48 \times 18$

$= 864 \text{ sq cm}$

Question 63

Two cylindrical cans have the base of the same size. The diameter of each is 14 cm. The height of one can is 10 cm and another 20 cm. Find the ratio of their volumes.

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

Answer: C

Explanation:

Volume of a cylinder = $\pi r^2 h$

If both the cylinders have the same radius then the only difference will be in their heights.

Ratio of volumes will be in the ratio of their heights.

Therefore ratio of heights or volumes = $10/20$

$= 1:2$

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Question 64

The ratio between two natural numbers is 3:4, find the smallest number which must be added to both the numbers so that the ratio becomes 4:5 and the sum of the numbers after adding the smallest number will be 27.

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

Answer: D

Explanation:

Let the two numbers be $3x$ and $4x$ and 'y' be the smallest number that has to be added

$$(3x+y)/(4x+y)=4/5$$

$$15x+5y=16x+4y$$

$$x=y$$

Given sum of the numbers=27

$$3x+y+4x+y=27$$

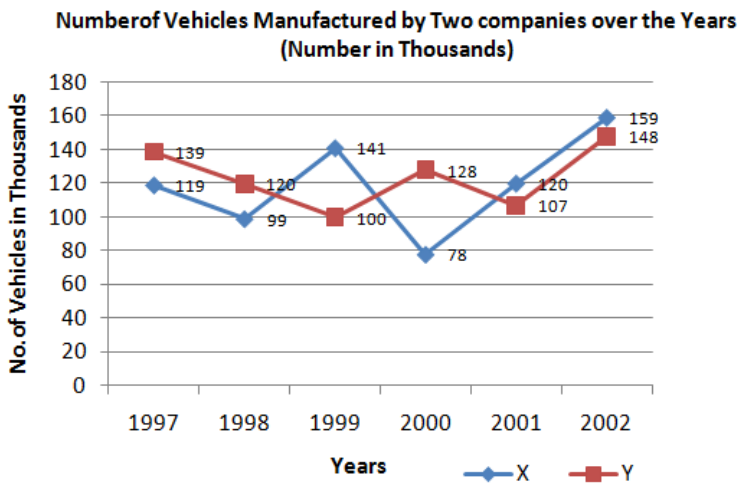
$$7x+2y=27$$

$$9y=27$$

$$y=3=x$$

Question 65

Study the following line graph and answer the question based on it.



The production of Company Y in 1998 was approximately what percent of the production of Company X in the same year

- A 212.1%
- B 211.2%
- C 112.2%
- D 122.2%

Answer: D

Explanation:

The production of Company Y in 1998 is 99k

The production of Company X in 1998 is 121k

$$99k=100\%$$

$$121k=(121000/99000)*100$$

$$=122.22\%$$

Question 66

A alone can do a piece of work in 12 days and B alone in 16 days. They under took to do the work for ₹350. How much will B get ?

- A ₹150
- B ₹200
- C ₹250
- D ₹180

Answer: A

Explanation:

A can do the work in 12 days and B can do in 16 days

LCM of 12 and 16 is 48 units

'A' can do $48/12 = 4$ units each day

'B' can do $48/16 = 3$ units each day

Each day they can do 7 units of work.

So total days = $48/7$ days

B does $3 \times (48/7)$ units of the total units

So $(3 \times (48/7) / 48) \times 350 = \text{Rs } 150$

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Question 67

The mean of a set of eight numbers is 63. If one of the numbers is discarded, the mean of the remaining numbers is 58. The value of discarded number is

- A 88
- B 89
- C 78
- D 98

Answer: D

Explanation:

Sum of the eight numbers = 63×8

= 504

Sum of the 7 numbers = 58×7

= 406

The discarded number = $504 - 406$

= 98

Question 68

Average of first eight multiples of 8 is

- A 36
- B 46
- C 32
- D 72

Answer: A

Explanation:

First 8 multiples of 8 are 8, 16, ..., 64

Sum = $8 + 16 + \dots + 64$

Sum = $8(1 + 2 + \dots + 8)$

= $8(8)(9)/2$

= 288

Average = $288/8$

= 46

Question 69

A shop keeper reduces the selling price of an article by 39, a gain of 10% turns in to a loss of 3%, then the original price of the article is?

- A ₹350
- B ₹300
- C ₹250
- D ₹200

Answer: B

Explanation:

Here the net change is $10+3 = 13\%$

Given that this 13% change has occurred due to the change in SP i.e SP has decreased by 39

So we can say that 13% of CP=39

$$13 \cdot \text{CP} / 100 = 39$$

$$\text{CP} = 3900 / 13$$

$$\text{CP} = \text{Rs } 300$$

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Question 70

The differences between the circumference and diameter of a circle is 60 cm, then radius is

- A 12 cm
- B 13 cm
- C 14 cm
- D 15 cm

Answer: C

Explanation:

$$\text{Given } 2\pi r - 2r = 60$$

$$2r(\pi - 1) = 60$$

$$2r \cdot 15 = 60 \cdot 7$$

$$r = 14 \text{ cm}$$

Question 71

The population of Varanasi is 2,25,000. If the annual birth rate and death rate are 9 % and 7 %, calculate the population of city after 2 years.

- A 432090
- B 423900
- C 243090
- D 234090

Answer: D

Explanation:

In this case the net increase per year is $(9-7)\% = 2\%$.

so after 1 year the increase will be $225000 \cdot 1.02 = 229500$

After 1 more year the increase will be $229500 \cdot 1.02 = 234090$

Question 72

The ratio between 2 numbers is 4:5 and the sum of their squares is 1025 , then the numbers are

- A 20 and 25
- B 24 and 30
- C 8 and 10
- D 40 and 50

Answer: A

Explanation:

Let the numbers be $4x$ and $5x$

Sum of the squares is 1025

$$(4x)^2 + (5x)^2 = 1025$$

$$41x^2 = 1025$$

$$x^2 = 25$$

$$x = 5$$

The numbers are 20 and 25

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Question 73

A car travels a certain distance at a speed of 120km/hr in 4 hours. What should be the speed of the car if the car covers the same distance in 3 hours 20 minutes.

- A 142 km/hr
- B 140 km/hr
- C 124 km/hr
- D 144 km/hr

Answer: D

Explanation:

Distance=Speed*time

$$=120*4$$

$$=480 \text{ km}$$

Speed=distance/time

$$=480/(10/3)$$

$$=144 \text{ km/hr}$$

Question 74

Three persons A, B and C can complete one round of circular track in 8, 15 and 20 minutes respectively. If they start together at 8 A.M from a certain point, at which time will they be together again at the starting point?

- A 10 AM
- B 12 Noon
- C 11 AM
- D 9 AM

Answer: A

Question 75

The ratio of the ages of Arun and Anand is 3:1. After 5 years Arun age will be 5 more than two times of Anand's age. Then the present age of Arun is

- A 40
- B 30
- C 35
- D 25

Answer: B

Explanation:

Let the ages of Arun and Anand be $3x$ and x
After 5 years Arun's age = $3x+5$ and Anand's age = $x+5$
Given $3x+5 = 2(x+5)+5$
 $3x+5 = 2x+10+5$
 $x = 10$
Present age of Arun = 30 years

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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**.

He welcomed the audience with a heart felt gratitude for their kind presence on the day of the social gathering in the college.

- A No Improvement
- B for their kind presences
- C of their kind presence
- D for their kind present

Answer: A

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Question 77

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**.

My cousin won't be able to leave for Mumbai until his parents will have arrived.

- A until his parents will arrive
- B until his parents arrive
- C until his parents won't arrive
- D No Improvement

Answer: B

Question 78

Select the most appropriate option to fill in the blank.

There is no prediction that how fast dehydration can affect your general health.

- A have been showing
- B have show
- C shows
- D showed

Answer: C

Question 79

Select the synonym of the given word.

FLIMSY

- A general
- B coarse
- C sturdy
- D Feeble

Answer: D

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Question 80

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

The researchers have discovered numerous sample of decorated sandstone, including chapel art depicting the Egyptian goddess.

- A researchers have discovered
- B including chapel art
- C depicting the Egyptian goddess
- D numerous sample of decorated sandstone

Answer: D

Question 81

Select the most appropriate option to fill in the blank.

Leadership a rational approach to achieve success in any task.

- A requiring
- B require
- C required
- D requires

Answer: D

Question 82

Select the word which means the same as the group of words given.
Incapable of failure or error.

- A Incorrigible
- B Incurable
- C Infallible
- D Irredeemable

Answer: C

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Question 83

Select the correctly spelt word.

- A Miscelleneous
- B Miscellaneous
- C Miscellaneius
- D Miscelaneous

Answer: B

Question 84

From the given options, identify the segment in the sentence which contains the grammatical error.
In the modern world, the computer is an amazing gift to mankind for doing two thing effortlessly.

- A the computer is
- B an amazing gift
- C In the modern world
- D for doing two thing effortlessly.

Answer: D

Question 85

Select the most appropriate word to fill in the blank.
Humans have anatural to coordinate their movements with music.

- A disability
- B direction
- C order
- D tendency

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:

The concept of sustainable development provides a (1)..... for the integration of environmental policies and development strategies. Sustainable development (2)..... to meet the needs and aspirations of the present without compromising the (3)..... to meet those in the future. In other words, sustainable development is a (4)..... of change in which the exploitation of resources, the direction of investments, technological development and institutional changes are all in harmony and (5)..... both current and future potential to meet human needs and objectives.

Question 86

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

- A comparison
- B framework
- C figure
- D provision

Answer: B

Question 87

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

- A diverts
- B seeks
- C rejects
- D distracts

Answer: B

Question 88

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

- A invention
- B operation
- C production
- D orientation

Answer: D

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Question 89

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

- A progress
- B permission
- C process
- D sample

Answer: C

Question 90

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

- A dismiss
- B enhance
- C resist
- D relieve

Answer: B

Instructions

For the following questions answer them individually

Question 91

Select the synonym of the given word.

BREACH

- A Restriction
- B Violation
- C Settlement
- D Restraint

Answer: B

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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**.

Some people are so good that a mere looks at them pleases you lot.

- A No Improvement
- B a mere look at their pleases you
- C a mere looks at them pleases you
- D a mere look at them pleases you

Answer: D

Question 93

Select the most appropriate word to fill in the blank.

There is a high degree of from e-mail based to social-media based messaging globally.

- A transition
- B process
- C transaction
- D method

Answer: A

Question 94

Select the word which means the same as the group of words given.

A cold - blooded vertebrate typically living on land but breeding in water.

- A Fish
- B Amphibians
- C Mammals
- D Reptiles

Answer: B

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Question 95

Select the antonym of the given word.

LOGICAL

- A Practical
- B Contradictory
- C Sensible
- D Useful

Answer: B

Question 96

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

Apples and Oranges.

- A Two unlike things or people
- B People working together on a project
- C People with similar approaches
- D Two similar situations with likely results

Answer: A

Question 97

From the given options, identify the segment in the sentence which contains the grammatical error.
A clear and defined perception enabled her to dismissed the suggestion given by some people aroundher.

- A suggestion given by
- B clear and defined
- C some people around her.
- D enabled her to dismissed

Answer: D

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Question 98

Select the antonym of the given word.
PAUCITY

- A Scarcity
- B Surplus
- C Availability
- D Shortage

Answer: B

Question 99

Select the correctly spelt word.

- A Refrigerator
- B Refreegerator
- C Refrigerator
- D Refridgerator

Answer: C

Question 100

Select the option that means the same as the given idiom.
To burn the midnight oil.

- A To eat something at midnight
- B To use oil for burning a lamp
- C To work till very late in the night
- D To fight with someone at midnight

Answer: C

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