



SSC GD 1st March 2019 Shift-2

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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.

Man : Mammal :: Butterfly :

- A Caterpillar
- B Insect
- C Bird
- D Reptile

Answer: B

Explanation:

Man previous history form was known as Mammal.

Similarly, before becoming a Butterfly it is known as Insect.

SSC GD Free App

Question 2

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

$KN : \frac{121}{196} :: RU : \underline{\hspace{2cm}}$

- A $\frac{256}{400}$
- B $\frac{256}{196}$
- C $\frac{324}{144}$
- D $\frac{324}{441}$

Answer: D

Explanation:

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Pick up Alphabet Number from this chart and make a square of that number to get the numerator as well as denominator.

$$K = 11^2 = 121$$

$$N = 14^2 = 196$$

Similarly,

$$R = 18^2 = 324$$

$$U = 21^2 = 441$$

$$\text{Hence, } KN : \frac{121}{196} :: RU : \frac{324}{441}$$

Question 3

If SCIENCE is coded as 14 and MATHS is coded as 10, then what will be the code for EXAMINATION?

- A 21
- B 22
- C 11
- D 23

Answer: B

Explanation:

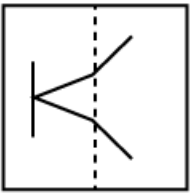
SCIENCE =14 (Science word has Total 7 Alphabets $7*2=14$)

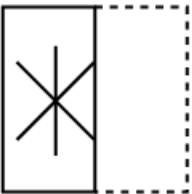
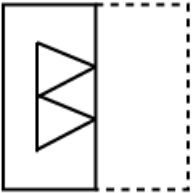
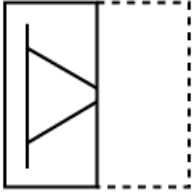
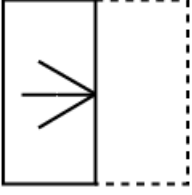
MATHS =10 (Maths word has 5 alphabets $5*2=10$)

Similarly, **EXAMINATION = 22**(Examination word has 10 alphabets $11*2=22$)

Question 4

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.

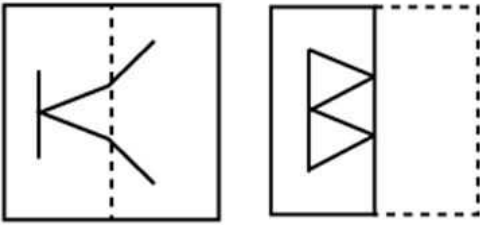


- A 
- B 
- C 
- D 

Answer: B

Explanation:

Option B is correct Option when folded perfectly.



SSC GD Important Questions and Answers PDF

Question 5

Select the number-pair that is different from the rest.

- A 7-49
- B 16-256
- C 12-144
- D 13-196

Answer: D

Explanation:

$$7^2 = 49$$

$$16^2 = 256$$

$$12^2 = 144$$

Hence Odd one is $13^2 = 169$. But in question 196 is given.

Hence Option D is odd one.

Question 6

Six friends, Anitha, Punitha, Chithra, Deepthi, Harini and Vani, are sitting in a field. Anitha and Punitha are from the Green house, where as the rest belong to the Red house. Deepthi and Vani are tall. where as the others are short. Anitha, Chithra and Deepthi are wearing saris. where as the others are wearing frocks.

Who among them is tall and from the Red house but not wearing a sari?

- A Deepthi
- B Anitha
- C Vani
- D Chithra

Answer: C

Explanation:

1) Anitha and Punitha are from the Green house.

Green House: Anita, Punitha

2) where as the rest belong to the Red house. (i.e. Chithra, Deepthi, Harini and Vani)

Red House: Chitra, Depti, Harini, Vani

3) Person Wearing sari are i.e. Anitha, Chithra and Deepthi

Sari: Anita, Chitra, Depti

4) Whereas other are wearing frocks. (Other than sari person.. place in this frock box)

Frock: Punita, Harini, Vani

5) Deepthi and Vani are tall. Other are short. (We will denote with Tall in capital words and short in small alphabets.)

Red House: Chitra, **DEPTI**, Harini, **VANI**

6) Now we need to find Who among them is tall and from the Red house but not wearing a sari. (i.e. we will cancel the person who is short and person wearing frock.)

Red House: Chitra, ~~DEPTI~~, Harini, ~~VANI~~

Short Cancel

Wearing Sari Cancel

Hence, Vani is from Red house but not wearing a sari.

Question 7

Read the given statements and conclusion carefully and decide which of the following options is true with respect to the given conclusion.

Statements:

Men who are handsome are generally of the intellectual type.

Vikram is handsome.

Conclusion:

Vikram is intellectual.

A Probably false

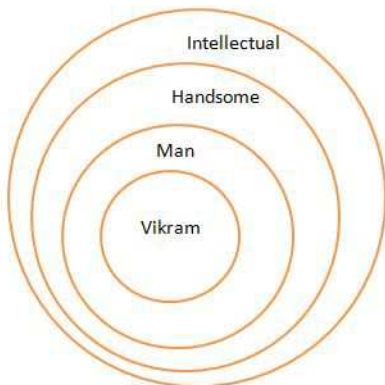
B Probably true

C True

D False

Answer: B

Explanation:



Conclusion is True - Vikram is intellectual. Hence Option B is correct.

SSC GD Syllabus (Download PDF)

Question 8

Which two signs/numbers need to be interchanged to make the given equation correct?

$$8 \div 2 + 4 = 10$$

A \div and $+$, 8 and 4

B \div and $+$

C $+ \text{ and } \div, 8 \text{ and } 2$

D $+ \text{ and } \div, 2 \text{ and } 4$

Answer: D

Explanation:

Let us interchange symbol to get the desired result number as 10 in resultant

$$8 \div 2 + 4 = 10 \text{ --- Given Equation in Question.}$$

Let us interchange symbols with each other as $+ \text{ and } \div, 2 \text{ and } 4$

After interchanging symbols and number.

$$8 + 4 \div 2 = 10$$

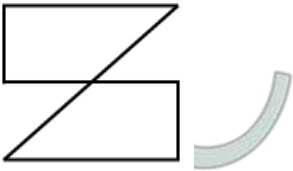
$$8 + 2 = 10$$

$$10 = 10$$

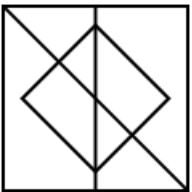
Hence Option D is correct Option.

Question 9

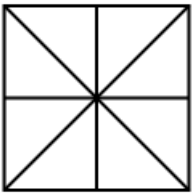
Select the option in which the given figure is embedded.



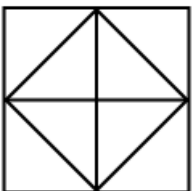
A



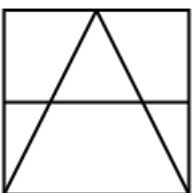
B



C

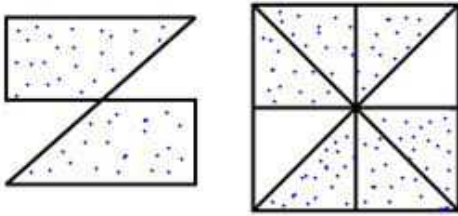


D



Answer: B

Explanation:



The dotted portion in Question S type figure is Embedded in Option B Image.

Hence Option B is correct option.

Question 10

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

NATION

- A **ИOITAIИ**
- B **ИATION**
- C **NOITAN**
- D **NATION**

Answer: A

Explanation:



Mirror Image is exactly opposite in picture of real Image. Option A is correct Mirror Image.

20 SSC GD Mocks 117 (Latest Pattern)

Question 11

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 girls are women.

No woman is brown.

Conclusions:

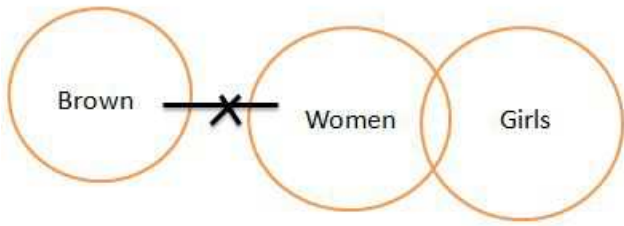
I. Some girls are not brown.

II. Some women are girls.

- A Only conclusion II follows.
- B Only conclusion I follows.
- C Both conclusions I and II follow.
- D Neither conclusion I nor II follows.

Answer: C

Explanation:



Conclusions:

- I. Some girls are not brown- True
- II. Some women are girls- True

Both Conclusion I and II follows.

Question 12

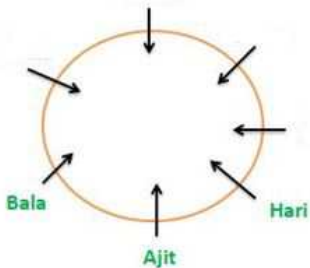
Seven friends – Ajith, Bala, Hari, David, Raja, Sekar and Guna – are sitting around a circular table. David is not the neighbour of Hari and Raja. Ajith is the neighbour of Bala and Hari. Guna, who is second to the left of David, is the neighbour of Sekar and Raja. What is the position of Hari?

- A To the immediate left of Ajith
- B To the immediate right of Raja
- C Third to the left of Sekar
- D Second to the left of Bala

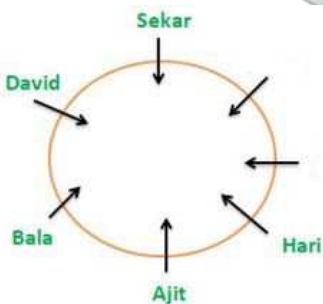
Answer: C

Explanation:

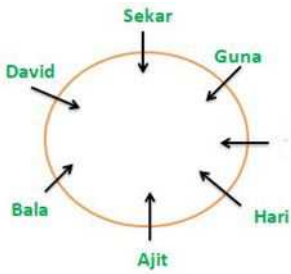
1) Ajith is the neighbour of Bala and Hari.



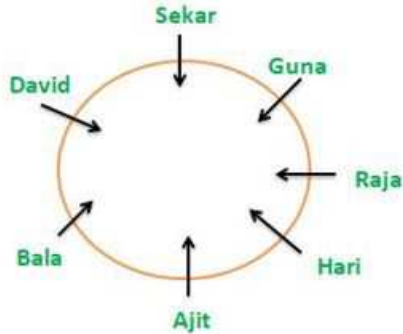
2) David is not the neighbor of Hari and Raja.- so we make david near to bala.



3) Guna, who is second to the left of David,



4) Guna is the neighbour of Sekar and Raja.



Hence, Hari is Third to the left of Sekar.

Question 13

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

1, 5, 9, 17, 25, 37, 49, 65, 81,

- A 99
- B 110
- C 100
- D 101

Answer: D

Explanation:

- 1-5=4
- 5-9=4
- 9-17=8
- 17-25=8
- 25-37=12
- 37-49=12
- 49-65=16
- 65-81=16

Hence, $81+20=101$.

1, 5, 9, 17, 25, 37, 49, 65, 81, **101**...

SSC CPO Previous Question papers (download pdf)

Question 14

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

- A Cub

- B Sty
- C Hive
- D Kennel

Answer: A

Explanation:

Sty is house of a Pig

Hive is house of HoneyBee

Kennel is house of Dog.

But, Cub is a small child fox,bear,lion. Hence Option A is odd one.

Question 15

Select the word-pair that is analogous to the given word-pair.

Bird : Fly

- A Cat : Kitten
- B Fox : Vixen
- C Cattle : Herd
- D Hors
- E Gallop

Answer: D

Explanation:

Answer marked by your team is incorrect.

Question 16

Select the number that DOES NOT belong to the following group.

1, 2, 6, 21, 88, 446, 2676

- A 6
- B 446
- C 21
- D 88

Answer: B

Explanation:

1, 2, 6, 21, 88, **446**, 2676....

$$1 \times 1 + 1 = 2,$$

$$2 \times 2 + 2 = 6,$$

$$6 \times 3 + 3 = 21,$$

$$21 \times 4 + 4 = 88,$$

$$88 \times 5 + 5 = 445, \text{ (but in question 446 is given, hence 446 is wrong number series)}$$

Question 17

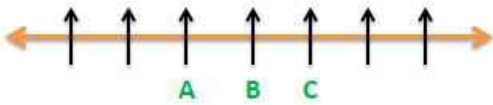
Seven students are standing in a row. B is standing to the left of C and to the right of A. D is standing to the right of E and to the left of A. F is standing to the right of C and to the left of G. Who is standing in the middle?

- A F
- B D
- C G
- D B

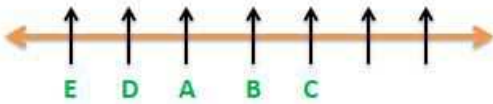
Answer: D

Explanation:

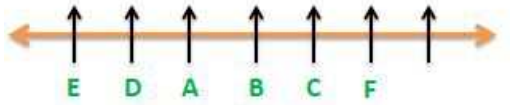
1) B is standing to the left of C and to the right of A.



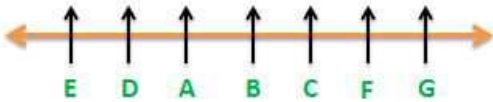
2) D is standing to the right of E and to the left of A.



3) F is standing to the right of C and to the left of G.



4) Final sitting of all people will be as follows:-

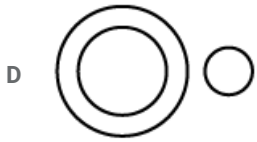


Hence, B is standing in the middle of line.

Question 18

Select the Venn diagram that best illustrates the relationship between the three given classes. Carrot, Vegetables, Meat

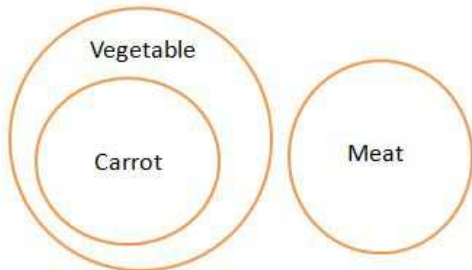




Answer: D

Explanation:

Carrot is a part of Vegetable. Hence, carrot circle come inside the vegetable circle. But meat circle will be drawn separately as it is different then vegetable.



Question 19

In the following fraction series, two fractions have been put within brackets. Study the series carefully and select the correct alternative with respect to the series.

$$\frac{2}{\sqrt{5}}, \frac{4}{5}, \frac{6}{5\sqrt{5}}, \left(\frac{8}{25}\right), \frac{10}{25\sqrt{5}}, \frac{12}{125}, \left(\frac{14}{125\sqrt{5}}\right)$$

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

Answer: D

Explanation:

Numerator is in logic series of +2 gapping of all numbers

2+2=4, 4+2=6, (6+2=8), 8+2=10, 10+2=12, (12+2=14)... Hence numerator has no mistake.

Let's see denominator series.. multiply every denominator with $\sqrt{5}$

$\sqrt{5}, 5, (5\sqrt{5}, 25), 25\sqrt{5}, 125, (125\sqrt{5})$... Hence Denominator has no mistake

Hence bracket series is also correct.

Option D will be appropriate option.

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Question 20

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

BMO, EOQ, HQS, KSU,

- A MTV
- B NUW
- C NTV
- D NVW

Answer: B

Explanation:

BMO, EOQ, HQS, KSU,NUW.....

Alphabet series of **1st digit** of all numbers is B+3=E, E+3=H, H+3=K, K+3=N

Alphabet series of **2nd digit** of all numbers is M+2=O, O+2=Q, Q+2=S, S+2=U

Alphabet series of **3rd digit** of all numbers is O+2=Q, Q+2=S, S+2=U, U+2= W

Hence Last series will be NUW...

Question 21

Identify the odd one from the following.

A kmn

B prt

C bdf

D suw

Answer: A

Explanation:

p+2=r, r+2=t

b+2=d, d+2=f

s+2=u, u+2=w

But option A does not follow the sequence,

k+2=m, m+1=n (it should be M+2=O)

Question 22

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

A Distance : Odometer

B Wind : Taseometer

C Current : Ammeter

D Humidity : Hygrometer

Answer: B

Explanation:

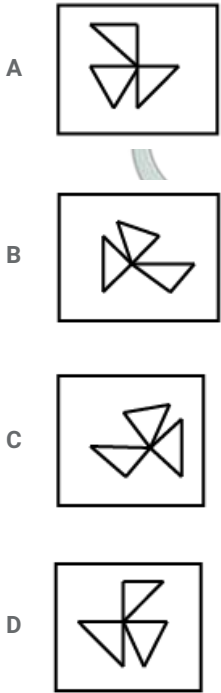
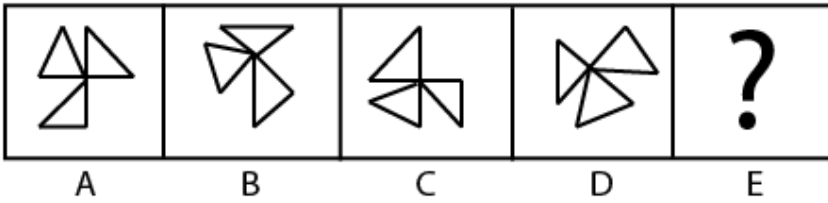
Wind is measured in anemometer. Hence Option B is Odd and incorrect.

Remaining all other options measurement of instrument is correct form e.g. Humidity : Hygrometer, Current : Ammeter, Distance : Odometer.

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 23

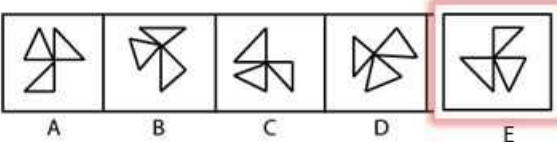
Select the figure that will come next in the following series.



Answer: D

Explanation:

Correct Option is E.



Question 24

If E is denoted by F, D is denoted by B, R is denoted by K. U is denoted by V, T is denoted by I, A is denoted by C, G is denoted by X and H is denoted by W. then how will the word DAUGHTER be written?

- A BCWXVIFK
- B BCXWFIK
- C BCXWIKF
- D BCXWIFK

Answer: D

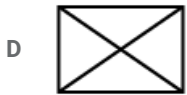
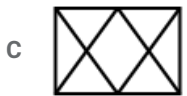
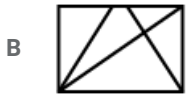
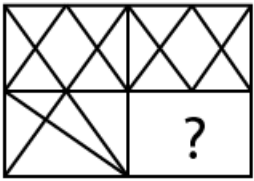
Explanation:

As given in Question, E=F, D=B, R=K. U=V, T=I, A=C, G=X and H=W

Lets replace all values with above alphabets, DAUGHTER=BCXWIFK

Question 25

Select the correct option to complete the following pattern.

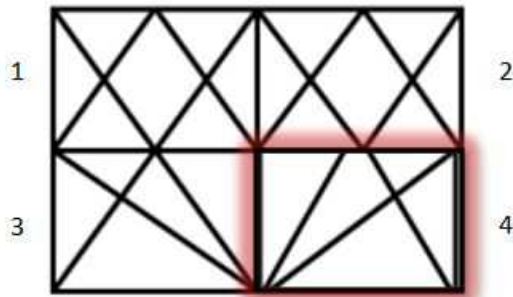
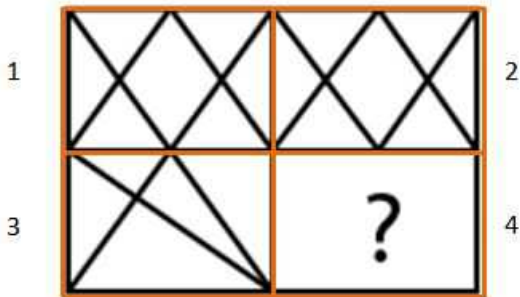


Answer: B

Explanation:

If u see this image... 1 is reflection image for 2... and 3 is mirror image for 4 image

Hence Option B will be correct Option.



SSC Stenographer Previous Papers (Download PDF)

General knowledge

Instructions

For the following questions answer them individually

Question 26

Which of the following is a contagious disease?

A Diabetes

B Stroke

C Tuberculosis

D Asthma

Answer: C

SSC GD Constable Previous Papers

Question 27

In which year was the constitution of Jammu and Kashmir adopted?

- A 1954
- B 1950
- C 1956
- D 1958

Answer: C

Question 28

A group of fish is called a:

- A school
- B army
- C standard
- D bus

Answer: A

Question 29

Inspired by the constitution of which nation has India added the feature of 'Directive Principles' in its constitution?

- A USA
- B Germany
- C Ireland
- D Russia

Answer: C

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 30

On which day is the World Population Day celebrated?

- A 2nd June
- B 15th August
- C 5th September
- D 11th July

Answer: D

Question 31

What was the approximate distance that Mahatma Gandhi marched for the Salt Satyagraha Movement?

- A 241 miles
- B 350 miles
- C 400 miles
- D 123 miles

Answer: A

Question 32

The Bretton Woods Agreement led to the creation of which one of the following institutions?

- A United Nations
- B United Nations Educational, Scientific and Cultural Organization
- C International Monetary Fund
- D International Labour Organization

Answer: C

SSC GD Constable Previous Papers (DOWNLOAD PDF)

Question 33

What is the national sport of China?

- A Cricket
- B Football
- C Rugby
- D Table Tennis

Answer: D

Question 34

What is the first age in the prehistoric period called?

- A Palaeolithic age
- B Metal age
- C Copper age
- D Neolithic age

Answer: A

Question 35

On which date is the International Mountain Day celebrated?

- A 14th November
- B 11th December
- C 2nd October
- D 13th January

Answer: B

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 36

Who is the author of the book 'Flight of Pigeon'?

- A Shobha Dey
- B Gita Piramal
- C Sudha Murthy
- D Ruskin Bond

Answer: D

Question 37

The run-and-touch game of 'Kho Kho' originated in which Indian state?

- A Kerala
- B Jammu and Kashmir
- C Goa
- D Maharashtra

Answer: D

Question 38

The Living Root Bridges are a rare ecological phenomenon seen in which state of India?

- A West Bengal
- B Meghalaya
- C Sikkim
- D Mizoram.

Answer: B

SSC CGL Free Mock Test (Latest Pattern)

Question 39

The yolk of an egg contains more than 90% of which of the given vitamins?

- A Vitamin C
- B Vitamin B12
- C Vitamin K
- D Vitamin A

Answer: B

Question 40

A seesaw is an example of which concept of physics?

- A Current
- B Time
- C Electricity
- D Force

Answer: D

Question 41

While trying to promote growth by tax cuts as the fiscal policy, which type of policy is the government trying to follow?

- A Expansionary
- B Contractionary
- C Easy money
- D Tight money

Answer: A

SSC CHSL Free Mock Test (Latest Pattern)

Question 42

Who among the following has been conferred the Rajiv Gandhi National Sadbhavana Award 2018?

- A Anna Hazare
- B Medha Patkar
- C Kailash Satyarthi
- D Gopalkrishna Gandhi

Answer: D

Question 43

Urs Festival in Ajmer commemorates the death anniversary of which Sufi Saint?

- A Khwaja Moinuddin Chisti
- B Hazarat Nizamuddin

- C Mian Mir
- D Salim Chishti

Answer: A

Question 44

'Kunbi Dance' is a popular dance associated with which Indian state?

- A Mizoram
- B Sikkim
- C Jammu and Kashmir
- D Goa

Answer: D

SSC Stenographer Previous Papers (Latest Pattern)

Question 45

Who was the legendary co-founder and retired chairman of Indian tech giant Infosys?

- A Ashish Goel
- B NR Narayan Murthy
- C Yashish Dahiya
- D Navneet Singh

Answer: B

Question 46

What do we call the stock of food grains purchased by the Government of India from the farmers through the Food Corporation of India (FCI)?

- A Incentivized stock
- B Return stock
- C Subsidized stock
- D Buffer stock

Answer: D

Question 47

In which year did the French traveller Francois Bernier arrive in India?

- A 1656
- B 1658
- C 1678

D 1662

Answer: B

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Question 48

What does the 103rd constitutional amendment deal with?

- A Women's reservation
- B Economic reservation
- C Right to education
- D Right against exploitation

Answer: B

Question 49

In which year did Emperor Akbar build the Buland Darwaja?

- A 1502
- B 1526
- C 1534
- D 1601

Answer: D

Question 50

Which of the following is the longest river in Europe?

- A Mekong
- B Zambezi
- C Sepik
- D Volga

Answer: D

SSC MTS Free Mock Test (Latest Pattern)

Quant

Instructions

For the following questions answer them individually

Question 51

A, B and C can do a piece of work in 20, 40 and 80 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

- A 7 days
- B 15.25 days
- C 18.25 days
- D 16.25 days

Answer: D

Explanation:

A can do a work in 20 days
 B can do a work in 40 days
 C can do a work in 80 days
 LCM of 80,40 and 20 is 80 units
 Each day A does $80/20 = 4$ units of work
 Each day B does $80/40 = 2$ units of work
 Each day C does $80/80 = 1$ unit of work
 In first three days total work = $4+4+4+2+1=15$ units
 For 15 days total work = $15 \times 5 = 75$ units of work is one
 On 16th day 4 units is done and on 17th day $(1/4)$ th day
 So total 16.25 days

SSC CPO Free Mock Test (Latest Pattern)

Question 52

Case A. In a certain store, the profit is 340% of the cost.

Case B. If the cost increases by 32% but the selling price remains constant, approximately what percentage of the selling price is the profit in case A?

- A 100%
- B 32%
- C 70%
- D 320%

Answer: C

Question 53

A circle, with radius 8 cm, which has the area equal to the area of a triangle with base 8 cm. Then the length of the corresponding altitude of triangle is:

- A $38 \pi \text{ cm}$
- B $16 \pi \text{ cm}$
- C $8 \pi \text{ cm}$
- D $18 \pi \text{ cm}$

Answer: B

Explanation:

Area of a circle = πr^2

Area of a triangle = $(1/2)bh$

Given both are equal

$$\begin{aligned}\text{Therefore } \pi r^2 &= (1/2)bh \\ \pi 8^2 &= (1/2)8h \\ h &= 16\pi\end{aligned}$$

Question 54

The captain of a cricket team of 11 members is 28 years old and the wicket keeper is 4 years older than him. If the ages of these two are excluded, the average age of the remaining players is two years less than the average age of the whole team. What is the average age of the team?

- A 15 years
- B 22 years
- C 21 years
- D 29 years

Answer: C

Explanation:

Age of the captain = 28 years

Age of the wicket keeper = 32 years

Let the sum of other 9 players = s

Therefore $s/9 = ((s+28+32)/11) - 2$

$(s/9) = ((s+60)/11) - 2$

$s/9 = (s+38)/11$

$11s = 9s + 342$

$2s = 342$

$s = 171$

Total sum of ages of team = $171 + 60 = 231$

Average = $231/11$

= 21

SSC GD Free Videos (Youtube)

Question 55

Two numbers are respectively 25% and 50% more than a third number. The ratio of the first number to second number is:

- A 1 : 2
- B 2 : 1
- C 6 : 5
- D 5 : 6

Answer: D

Explanation:

Let the third number be x

then the first number will be $1.25x$

and second number will be $1.50x$

Ratio = $1.25x/1.50x$

= $5/6$

Question 56

$\frac{4^2+4}{5} + 5 \times 2 - 3$ of 4 is:

- A 9
- B 3
- C 6
- D 2

Answer: D

Explanation:

$$\frac{4^2+4}{5} + 5 \times 2 - 3 \text{ of } 4$$

$$= \frac{20}{5} + 5 \times 2 - 12$$

$$= 4 + 5 \times 2 - 12$$

$$= 4 + 10 - 12$$

$$= 14 - 12$$

$$= 2$$

Question 57

A hollow iron pipe is 28 cm long and its external diameter is 10 cm. If the thickness of the pipe is 2 cm and iron weighs 5 g/cm^3 , then the weight of the pipe is:

- A 70.4 kg
- B 7.04 kg
- C 74 kg
- D 7.40 kg

Answer: B

Explanation:

Given hollow cylinder and Volume of it is given by $\pi(R^2 - r^2)h$

given $2R=10 \text{ cm}$

$R=5 \text{ cm}$

Thickness= $t=2 \text{ cm}$

$r=R-t$

$r=5-2$

$r=3 \text{ cm}$

Volume= $\pi(R^2 - r^2)h$

$=\frac{22}{7} \times (25-9) \times 28$

$=22 \times 16 \times 4$

$=1408 \text{ cubic cm}$

Mass=density*volume

$=5 \times 1408$

$=7040 \text{ grams}$

$=7.040 \text{ kg}$

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Question 58

A train can travel 50% faster than a car. Both start from point A at the same time and reach point B, 60 km away from point A, at the same time. On the way, however, the train lost about 12.5 min while stopping at the stations. The speed of the car is:

- A 130 km/h
- B 100 km/h
- C 110 km/h
- D 96 km/h

Answer: D

Explanation:

Let the speed of the car =S

Then speed of the train =3S/2

They travel same distance and reach at the same point but due to stoppages train loses 12.5 minutes

time taken for car to travel 60 km=60/S

Therefore $(60/(3S/2))+12.5/60=(60/S)$

$40/S + 12.5/60=60/S$

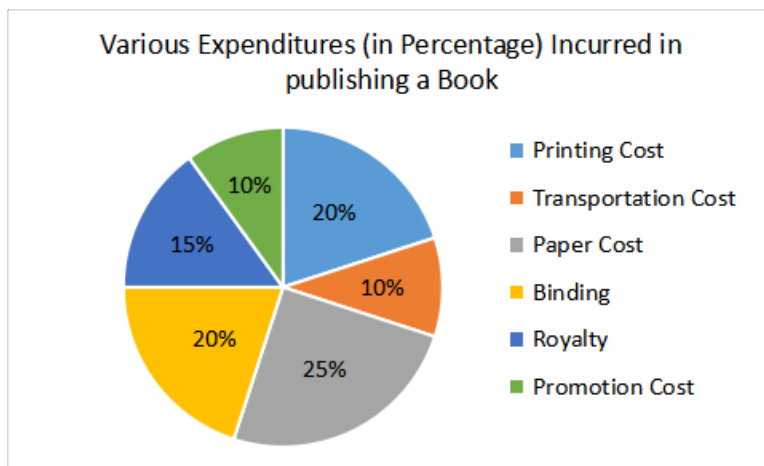
$20/S=5/24$

$S=24*4$

$S=96$ km/hr

Question 59

The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and answer the questions based on it.



Royalty on the book is less than the paper cost by:

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

Answer: D

Explanation:

Given expenditure on royalty=15%

Expenditure on paper cost=25%

Required percentage= $((25-15)/25)*100$

$=10*100/25$

$=40\%$

Question 60

If the mean of the observations x, x + 4, x + 5, x + 7, x + 9 is 9, then the mean of the last three observations is:

- A 7
- B 10
- C 11
- D 8

Answer: C

Explanation:

$$\text{Sum} = x + x + 4 + x + 5 + x + 7 + x + 9$$

$$= 5x + 25$$

$$\text{Mean} = (5x + 25) / 5$$

$$x + 5 = 9$$

$$x = 4$$

Last three observations are 9, 11 and 13

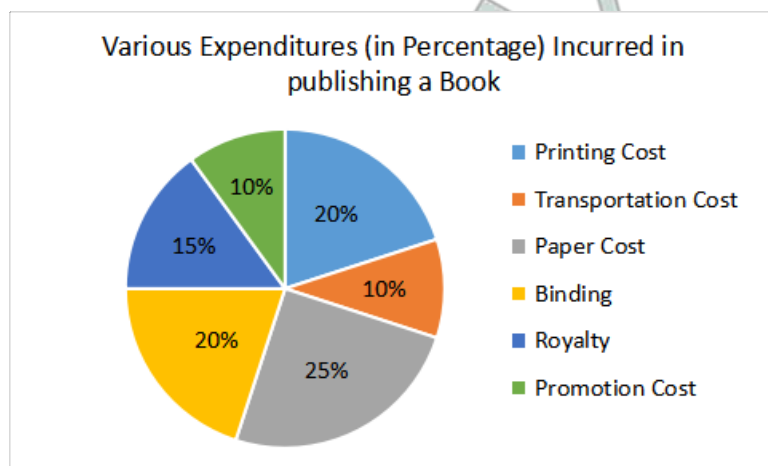
$$\text{mean} = 33 / 3$$

$$= 11$$

SSC GD Important Questions and Answers PDF

Question 61

The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and answer the questions based on it.



What is the central angle of the sector corresponding to the expenditure incurred on binding?

- A 72°
- B 90°
- C 48°
- D 70°

Answer: A

Explanation:

Percent of expenditure on binding is given as 20% in the pie diagram

$$\text{Therefore } 100\% = 360$$

$$20\% = 360 * 20 / 100$$

$$= 72 \text{ degrees}$$

Question 62

A family consists of two grandparents, three parents and four grandchildren. The average age of the grand parents is 65 years, that of the parents is 32 years and that of the grand children is 8 years. What is the average age of the family?

- A None of These
- B $28\frac{2}{3}$ Years
- C 28 Years
- D $28\frac{1}{3}$ Years

Answer: B

Explanation:

Given 2 grandparents average as 65 so sum of their ages= $65 \times 2 = 130$ years
Also given 3 parents average as 32 so sum of their ages= $32 \times 3 = 96$ years
Also given 4 grandchildren average as 8 so sum of their ages= $8 \times 4 = 32$ years
Total sum of ages= $130 + 96 + 32 = 258$ years
Average= $258 / 9$
 $= 86 / 3$ years

Question 63

A person has planned to sell his old type writer for ₹4500, he would lose 10%. To gain 20% of profit, he should sell it for:

- A ₹6000
- B ₹7000
- C ₹7200
- D ₹8500

Answer: A

Explanation:

Given selling price=Rs 4500
loss percent=10%
 $SP = 0.9 CP$
 $4500 = 0.9 CP$
 $CP = 4500 / 0.9$
 $CP = \text{Rs } 5000$
Given he wants to get 20% profit
Therefore $SP = 1.2 CP$
 $SP = 1.2 \times 5000$
 $SP = \text{Rs } 6000$

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Question 64

Salaries of Ravi and Sumit are in the ratio 2:3. If the salary of each is increased by ₹3000, the new ratio becomes 35:50. What is Sumit's new salary?

- A ₹18,000
- B ₹21,000
- C ₹27,000

D ₹30,000

Answer: D

Explanation:

Let the salaries of ravi and sumit be $2x$ and $3x$
salaries increased by 3000

new salaries are $2x+3000$ and $3x+3000$

ratio = 7:10

$$(2x+3000)/(3x+3000)=7/10$$

$$20x+30000=21x+21000$$

$$x=9000$$

$$\text{Sumit's new salary} = 3(9000) + 3000$$

$$= 30000$$

Question 65

The compound interest on ₹40,000 at 6% per annum is ₹4,944. What is the period (in years) for which the amount is invested?

A 5 years

B 4 years

C 3 years

D 2 years

Answer: D

Explanation:

$$P\left(\left(1 + \frac{R}{100}\right)^n - 1\right) = 4944$$

$$40000\left(\left(1 + \frac{R}{100}\right)^n - 1\right) = 4944$$

$$\left(\left(1 + \frac{6}{100}\right)^n - 1\right) = 4944/40000$$

$$\left(\frac{53}{50}\right)^n - 1 = 4944/40000$$

$$\left(\frac{53}{50}\right)^n = 44944/40000$$

$$\left(\frac{53}{50}\right)^n = \left(\frac{212}{200}\right)^2$$

$$\left(\frac{53}{50}\right)^n = \left(\frac{53}{50}\right)^2$$

$$n = 2 \text{ years}$$

Question 66

A hall is 15 m long and 12 m broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume (in m^3) of the hall is:

A 1600

B 900

C 1200

D 720

Answer: C

Explanation:

Area of the floor and ceiling will be same and it is equal
i.e $l*b=15*12=180$ sq m
Area of four walls will be $2*l*h+2*b*h=2h(l+b)$
 $2h(l+b)=360$
 $h(12+15)=180$
 $h=180/27$
 $h=20/3$
Volume= $l*b*h=12*15*20/3$
 $=1200$ cubic meters

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Question 67

If a person had walked at the speed of 15 km/h instead of 10 km/h, he would have walked 25 km more. The actual distance travelled by him was:

- A 70 km
- B 56 km
- C 50 km
- D 80 km

Answer: C

Explanation:

In both the cases time taken 't' is same.

Therefore $10t=15t-25$

$15t-10t=25$

$5t=25$

$t=5$ hours

Initial speed was 10 km/hr

and so distance traveled= $10*5$

$=50$ km

Question 68

Raman paid ₹13,300 as simple interest after 9 years. He had borrowed some money at the rate of 6% for first two years, same money at 9% for next three years and at 14% for rest of the period. How much money(in ₹) did he borrow?

- A 10,000
- B 14,000
- C 12,500
- D 12,000

Answer: B

Explanation:

We know $I=PTR/100$

let the money borrowed be 'x'

then for first two years it is 6% so interest= $0.12x$

for next 3 years it is 9% so interest= $0.27x$

for next four years it is 14% so interest = $0.56x$

Total interest= $0.12x+0.27x+0.56x$

$=0.95x$

therefore $0.95x=13300$

$x=13300/0.95$

$x=14000$

Question 69

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

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

Answer: D

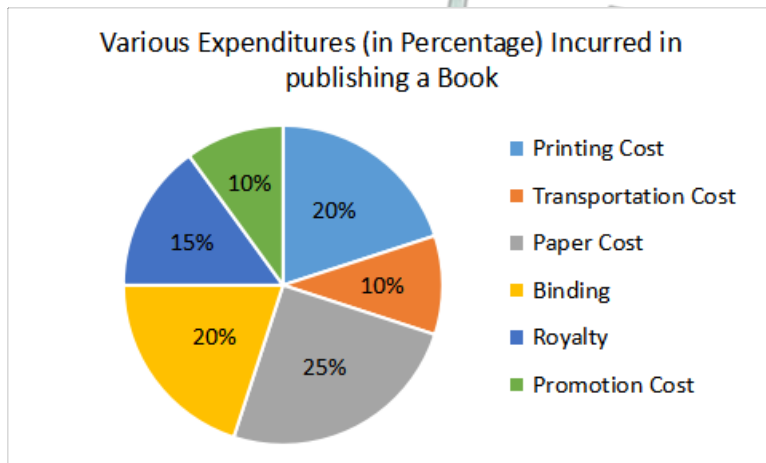
Explanation:

Given 15 workers 10 days earn Rs 1800
150 workdays=Rs 1800
40 workdays= $1800 \times 40 / 150$
 $=40 \times 12$
 $=Rs\ 480$

SSC CPO Previous Question papers (download pdf)

Question 70

The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and answer the questions based on it.



If for a certain quantity of books, the publisher has to pay ₹30,600 as printing cost, then what will be amount of paper cost to be paid for these books?

- A ₹28,250
- B ₹38,250
- C ₹38,000
- D ₹30,2503

Answer: B

Explanation:

Given in the pie diagram printing cost=20% of total expenses
paper cost=25% of total expenses
Therefore $20\% = 30600$
 $25\% = 25 \times 30600 / 20$
 $= 7650 \times 5$

=38250

Question 71

Find the greatest number that will divide 47, 95 and 187 so as to leave the same remainder in each case.

- A 7
- B 13
- C 9
- D 4

Answer: D

Explanation:

In each case they leave the same remainder and so the HCF of differences between the numbers has to be taken

Difference 1=95-47=48

Difference 2=187-47=140

Difference 3=187-95=92

HCF of 48,140 and 92

$48=2*2*2*2*3$

$140=2*2*5*7$

$92=2*2*23$

HCF=4

Question 72

Raj got a new chair at 35% discount. Had Raj got no discount, Raj would have had to pay ₹238 more. How much did Raj pay for the chair?

- A ₹452
- B ₹442
- C ₹416
- D ₹424

Answer: B

Explanation:

Let the cost price be x

He got 35% discount and so he paid 0.65x but given if no discount then he would have paid 238 more

and so $0.35x=238$

$x=680$

So Raj paid $680-238$

=Rs 442

SSC MTS Previous Question papers (download pdf)

Question 73

In a mixture of 60 L, the ratio of milk and water is 2:3, then the quantity of water in the mixture is:

- A 20 L
- B 45 L
- C 36 L
- D 16 L

Answer: C

Explanation:

Let the milk and water content be $2x$ and $3x$

Total content = 60 liters

Sum = $5x$

Therefore $5x = 60$

$x = 12$

Water = 3×12

= 36 liters

Question 74

What percentage of numbers from 1 to 80 have 1 or 9 in the units digit?

A 1%

B 20%

C 21%

D 14%

Answer: B

Explanation:

From 1 to 9 each of 1 and 9 comes once at the units digit i.e 2 times (1 or 9)

From 10 to 19 each of 1 and 9 comes once at the units digit i.e 2 times

Similarly till 80 they come once for every ten numbers and so

Total = $8 \times 2 = 16$ times

Total numbers = 80

Percentage = $\frac{(16)}{(80)} \times 100$

= 20%

Question 75

Simplify: $8.65 - [4 + 0.5 \text{ of } (8.8 - 2.3 \times 3.5)]$

A 4.725

B 4.275

C 3.275

D 4.527

Answer: B

Explanation:

$= 8.65 - [4 + 0.5 \text{ of } (8.8 - 2.3 \times 3.5)]$

$= 8.65 - [4 + 0.5 \text{ of } (8.8 - 8.05)]$

$= 8.65 - [4 + 0.5 \text{ of } (0.75)]$

$= 8.65 - [35/8]$

$= 8.65 - 4.375$

= 4.275

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English

Instructions

For the following questions answer them individually

Question 76

Select the word which means the same as the group of words given.
Someone in love with himself.

- A Philologist
- B Humanist
- C Narcissist
- D Philanthropist

Answer: C

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 77

From the given options, identify the segment in the sentence which contains the grammatical error.
The book provide ample guidance and practice in learning English conversations effectively for all age groups.

- A The book provide
- B for all age groups
- C ample guidance and practice
- D in learning English conversations

Answer: A

Question 78

Select the most appropriate option to fill in the blank.
Sometimes a person's intelligence is not fully appreciated he/she gets an opportunity.

- A upto
- B later
- C until
- D unless

Answer: C

Question 79

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.

Passengers are requested to go for security check before they proceed to board the flight.

- A are request to go for
- B are requests to go for
- C are requesting to go for
- D No improvement

Answer: D

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Question 80

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 neighbour along with his children is going tonight to watch a movie based over the life of martyrs.

- A a movie based on the life of martyrs
- B No improvement
- C a movie basing on life of martyrs
- D a movie base on the life of martyrs

Answer: A

Instructions

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

Passage:

Obesity can be (1)..... by eating healthy food and increasing physical activity. There is no need to alter the quantity of the food but the quality of the food must be (2)..... and improvised. Avoiding red meat, oily food, extra fats in form of ghee, butter etc. can dramatically help to reduce the weight. Moreover, if the right eating is accompanied(3)..... physical work out, it becomes the perfect way to lose weight and stay healthy. In some patients (4)..... is also carried out. The choice of the treatment(5)..... on various factors and the decision is taken by the physician by thoroughly examining the patient.

Question 81

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

- A magnified
- B destroyed
- C tolerated
- D managed

Answer: D

Question 82

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

- A checked
- B decreased
- C distinguished
- D satisfied

Answer: A

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Question 83

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

- A with
- B of
- C at
- D for

Answer: A

Question 84

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

- A amputation
- B surgery
- C segmentation
- D dissection

Answer: B

Question 85

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

- A avoids
- B depends
- C ignores
- D loathes

Answer: B

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Instructions

For the following questions answer them individually

Question 86

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

To pull oneself together

- A To hide important facts and reasons
- B To put necessary matters on the table
- C To keep working constantly with attention
- D To calm oneself and begin to think or act

Answer: D

Question 87

Select the correctly spelt word.

- A Rehearsal
- B Rehersal
- C Reehersal
- D Rehearsel

Answer: A

Question 88

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

To be fair and square

- A To be fair in colour
- B To be honest
- C To be good at drawing
- D To be in a good physique

Answer: B

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Question 89

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**.

No sooner he has returned to home than his boss called him for an urgent meeting.

- A No sooner had he returned home
- B No sooner he returned to home
- C No sooner he have returned to home
- D No improvement

Answer: A

Question 90

Select the antonym of the given word.

EXTRAVAGANT

- A Economical
- B Factual
- C Untrue
- D Wonderful

Answer: A

Question 91

Select the most appropriate word to fill in the blank.

A person's individual risk for many diseases most often from a combination of genes, environment and lifestyle.

- A stems
- B checks
- C diagnoses
- D stops

Answer: A

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 92

Select the most appropriate option to fill in the blank.

People can only form new habits when they particular patterns of behaviour.

- A has adopted
- B having adopted
- C had adopted
- D have adopted

Answer: D

Question 93

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

Taking the help of people with rich experience of life will saves you much time and effort.

- A Taking the help of
- B much time and effort
- C people with rich experience
- D will saves you

Answer: D

Question 94

Select the synonym of the given word.

STRAY

- A Slight
- B Wander
- C Steady
- D Gruesome

Answer: B

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Question 95

From the given options, identify the segment in the sentence which contains the grammatical error.
Just because you are learning a language does not mean you need to limiting your thinking.

- A does not mean
- B need to limiting your thinking
- C Just because
- D you are learning a language

Answer: B

Question 96

Select the most appropriate word to fill in the blank.
This is a good time for all of us to a new year's party.

- A collect
- B initiate
- C invite
- D organize

Answer: D

Question 97

Select the word which means the same as the group of words given.
A large number of fish swimming together.

- A Herd
- B Pack
- C Mob
- D Shoal

Answer: D

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Question 98

Select the synonym of the given word.
ADULTERATED

- A Combined
- B Fused
- C Contaminated
- D Concentrated

Answer: C

Question 99

Select the correctly spelt word.

- A Quantetative
- B Quantitativ
- C Quantititive
- D Quantitative

Answer: D

Question 100

Select the antonym of the given word.

BENIGN

- A Hostile
- B Amiable
- C Mild
- D Genial

Answer: A

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