2017 SSC CGL 21 Aug Shift-1

General Awareness

Instructions

For the following questions answer them individually

Question 1

The demand for an inferior good decreases with _____ in the consumer's income.

A   increase

B   decrease

C   constant

D   double

   Answer: A

Explanation:

Increase is the correct word because when people's income increases, they start looking for superior goods and hence demand for inferior goods decreases.

Question 2

Goods for which the quantity that a consumer chooses, increases as the consumer's income increases and decreases as the income decreases are called?

A   Inferior goods

B   Normal goods

C   Complementary goods

D   Substitute goods

   Answer: B

Question 3

"Prevention of cruelty to animals" is listed in the _____ list given in the Seventh Schedule in the Constitution of India.

A   Union

B   State

C   Global

D   Concurrent

   Answer: D

Question 4

_____ makes laws on matters included in Union List and Concurrent List.

A   Lok Sabha

B   Ministry of Defence

C   Prime Minister's Office

D   Securities and Exchange Board of India

    Answer: A

Question 5

According to the categories of land mentioned in the Chola inscriptions _____ was known as the land for the maintenance of schools?

A   Vellanvagai

B   Brahmadeya

C   Shalabhoga

D   Devadana

    Answer: C

Question 6

Prince Salim was the name of the future Emperor _____.

A   Babur

B   Humayun

C   Jahangir

D   Akbar

    Answer: C

Question 7

_____ is the breaking up of the rocks on the earth's surface.

A   Erosion

B   Weathering

C   Attrition

D   Abrasion

    Answer: B

Question 8

The method of soil conservation in the coastal and dry regions where rows of trees are planted to check the wind movement to protect soil cover is called?

A   Mulching

B   Contour barriers

C   Rock dam

D   Shelter belts

   Answer: D

Question 9

Biological names are generally derived from which language?

A   French

B   Latin

C   Mexican

D   German

   Answer: B

Question 10

The members of rhodophyceae are commonly called _____ algae.

A   Green

B   Brown

C   Red

D   Yellow

   Answer: C

Question 11

Aurelia (Medusa) and Adamsia (Polyp) are examples of which Phylum?

A   Ctenophora

B   Annelida

C   Coelenterata

D   Aschelminthes

   Answer: C

Question 12

Energy in the form of heat is wasted when a machine is operated. This heat is generated due to _____.

A   burning

B   friction

C   combustion

D   lubrication

Answer: B

Question 13

The incident ray, the _____ at the point of incidence and the reflected ray all lie in the same plane.

A   surface

B   tangent

C   normal

D   angle of reflection

   Answer: C

Question 14

In Microsoft Word, _____ allows us to move selected paragraphs to the right.

A   Decrease Indent

B   Increase Indent

C   Double Indent

D   Single Indent

   Answer: B

Question 15

Blue Vitriol is another name for which chemical?

A   Copper Sulphate

B   Oxygen

C   Copper

D   Magnesium Oxide

   Answer: A

Question 16

The rubbing surface of a matchbox has powdered glass and a little red _____.

A   antimony

B   arsenic

C   silicon

D   phosphorus

   Answer: D

Question 17

A few organisms can tolerate and thrive in a wide range of temperatures. Such organisms are called _____.

A Osmotic

B Eurythermal

C Stenothermal

D Hydrothermal

  Answer: B

Question 18

_____ scheme by the Central Government will strengthen the bond between all the states, regions, and districts of India.

A Uday Desh Ka Aam Nagrik

B Urja Ganga

C Ek Bharat Shrestha Bharat

D Namami Ganga Yojana

  Answer: C

Question 19

Who invented Velcro?

A Thomas Edison

B William Harvey

C George de Mestral

D Robert Boyles

  Answer: C

Question 20

Which nation will host the FIFA Men's World Cup to be held in the year 2018?

A Japan

B South Korea

C China

D Russia

  Answer: D

Question 21

Who has built Charminar?

A   Humayun

B   Mohammed Quli Qutab Shah

C   Ashoka

D   Narasimha

   Answer: B

Question 22

Which of the following is an Indian military decoration awarded for valour, courageous action or self-sacrifice away from the battlefield?

A   Ashok Chakra

B   Dada Saheb Phalke Awards

C   Arjuna Award

D   Padma Shri

   Answer: A

Question 23

Which of the statements given below are correct?

1. The author of the novel 'Accelerando' is Charles Stross.
2. The author of the novel 'The Windup Girl' is Paolo Bacigalupi.
3. The author of the novel 'The Devil in Silver' is Josh Malerman.

A   1 and 2

B   2 and 3

C   1 and 3

D   1, 2 and 3

   Answer: A

Question 24

In March 2017, in which country was "world's largest artificial sun" switched on?

A   China

B   USA

C   Germany

D   Russia

   Answer: C

Question 25

With which other country does Bangladesh share its border besides India?

A China

B Laos

C Bhutan

D Myanmar

   Answer: D

Mathematics

Instructions
For the following questions answer them individually

Question 26

What least number must be added to 329, so that the sum is completely divisible by 7?

A 1

B 0

C 2

D 3

   Answer: B

Explanation:
$\frac{329}{7} = 47$

no need to add any number as 329 is divisible by 7.

so the answer is option B.

Question 27

A can do a work in 15 days and B in 30 days. If they work on it together, then in how many days will they be able to do 50% of the work?

A 5

B 6

C 4

D 3

   Answer: A

Explanation:
Let total work = L.C.M of 15&30 = 30units

A's efficiency = 30/15 = 2

B's efficiency = 30/30 = 1

To complete 50% of work, i.e; 15 units of work,

both can take $\frac{15}{2+1} = 5$ days

so the answer is option A.

Question 28

What is the area (in sq cm) of an equilateral triangle of side 10 cm?

A $25\sqrt{3}$

B $50\sqrt{3}$

C $75\sqrt{3}$

D $10\sqrt{3}$

   Answer: A

Explanation:
Area of an equilateral triangle = $\frac{\sqrt{3}}{4} a^2 = \frac{\sqrt{3}}{4} (10)^2 = 25\sqrt{3}$

So the answer is option A.

Question 29

What is the effective discount (in %) on two successive discounts of 15% and 50%?

A 65

B 57.5

C 35

D 42.5

   Answer: B

Explanation:
Effective discount = $100 - \left(\frac{100-15}{100}\right)\left(\frac{100-50}{100}\right) = 100 - \left(\frac{85}{100}\right)\left(\frac{50}{100}\right) = 100 - 42.5 = 57.5$

So the answer is option B.

Question 30

Profit of Rs 42,500 has to be divided between three partners A, B and C in the ratio 3:5:9. How much (in Rs does A get?

A 12500

B 9500

C 22500

D 7500

   Answer: D

Explanation:

A's share = $\frac{3}{3+5+9} \times 42500 = \frac{3}{17} \times 42500 = 3 \times 2500 = 7500$

So the answer is option D.

Question 31

The average weight of A, B and C is 49 kg. If the average weight of A and B is 35 kg and that of B and C is 62 kg, then the weight of B (in kgs) is?

A   47

B   45

C   43

D   49

E

  Answer: A

Explanation:

$\frac{A+B+C}{3} = 49 \rightarrow A + B + C = 49 \times 3 = 147$ -------(1)

$\frac{A+B}{2} = 35 \rightarrow A + B = 35 \times 2 = 70$ -------(2)

$\frac{B+C}{2} = 62 \rightarrow B + C = 62 \times 2 = 124$ -------(3)

(2)+(3)-(1)$\Rightarrow A + B + B + C - A - B - C = 124 + 70 - 147$

$\Rightarrow B = 47$

So the answer is option A.

Question 32

A shopkeeper by selling 6 items, earns a profit equal to the selling price of 1 item. What is his profit percentage?

A   20

B   25

C   30

D   35

  Answer: A

Explanation:

Let SP of 1 item = 10/-

SP of 6 items = 60/-

profit = SP of 1 item = 10/-

CP = SP-profit = 60-10 = 50/-

profit% = $\frac{profit}{CP} \times 100 = \frac{10}{50} \times 100 = 20\%$

So the answer is option A.

Question 33

What is the value of 125% of 25% of 80?

A 50

B 25

C 20

D 40

  Answer: B

Explanation:
$\frac{125}{100} \times \frac{25}{100} \times 80 = \frac{3125}{10000} \times 80 = 25$

So the answer is option B.

Question 34

To cover a distance of 81 km in 1.5 hours what should be the average speed of the car in meters/second?

A 10

B 15

C 12

D 9

  Answer: B

Explanation:
$speed = \frac{distance}{time} = \frac{81}{1.5} kmph = \frac{81}{1.5} * \frac{5}{18} = 15 m/s$

So the answer is option B.

Question 35

In 4 years at simple interest the principal increases by 32%. What will be the compound interest earned (in Rs) on Rs. 24,000 in 3 years at the same rate?

A 5233

B 6332

C 5332

D 6233

  Answer: D

Explanation:
I = 32% of P

I = PTR/100

$\frac{32P}{100} = \frac{P(4)R}{100} \rightarrow R = 8\%$

Under CI,

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

= $24000\left(1 + \frac{8}{100}\right)^3$

= $24000\left(1 + \frac{2}{25}\right)^3$

= $24000\left(\frac{27}{25}\right)^3$

$= 24000(\frac{19683}{15625})$

$= 30,233.088$

CI $=30,233.088- 24000 = 6233.088$

So the answer is option D.

Question 36

If 5/2(8x/3 - 1/2) + 13/2 = 2x/3, then what is the value of x?

A 7/8

B 8/7

C -8/7

D -7/8

   Answer: D

Explanation:
5/2(8x/3 - 1/2) + 13/2 = 2x/3

20x/3 - 5/4 + 13/2 = 2x/3

20x/3 - 2x/3 = 5/4-13/2

18x/3 = -21/4

x = -7/8

So the answer is option D.

Question 37

If $a^3 + b^3$ = 72 and ab = 8 , then what is the value of a + b?

A 2

B 5

C 6

D 3

   Answer: C

Explanation:
$(a + b)^3 = a^3 + b^3 + 3ab(a + b)$

$(a + b)^3 = 72 + 3(8)(a + b)$

we need to solve 3rd degree equation

so,without solving, by verification, a+b = 6,

so the answer is option C.

Question 38

Sum of four times a fraction and 7 times its reciprocal is 16. What is the fraction?

A 2/7

B 7/2

C 4/7

D 7/4

   Answer: B

Explanation:

Let that fraction be $\frac{1}{x}$

$4(\frac{1}{x}) + 7x = 16$

$\Rightarrow (4 + 7x^2) = 16 \times x$

$\Rightarrow 7x^2 - 16x + 4 = 0$

$\Rightarrow (x - \frac{14}{7})(x - \frac{2}{7}) = 0$

$\Rightarrow (x - 2)(x - \frac{2}{7}) = 0$

$\Rightarrow x = 2 \, or \, 2/7$

$\Rightarrow$ fraction $= \frac{1}{x} = 1/2 \, (or) \, 7/2$

so the answer is option B.

Question 39

What is the sum of the first 11 terms of an arithmetic progression if the 3rd term is -1 and the 8th term is 19?

A 204

B 121

C 225

D 104

   Answer: B

Explanation:

T_3 = a + 2d = -1-------(1)

T_8 = a + 7d = 19-------(2)

on solving (1) AND (2)

d = 4 & a = -9

$S_n = \frac{n}{2}[2a + (n - 1)d]$

$S_{11} = \frac{11}{2}[2(-9) + (11 - 1)(4)]$

$S_{11} = \frac{11}{2}[(-18) + (40)]$

$S_{11} = \frac{11}{2}[22]$

$S_{11} = 121$

So the answer is option B.

Question 40

What is the reflection of the point (-3, 2) in the line x = -2?

A   (-3 , -6)

B   (1 , 2)

C   (-3 , 6)

D   (-1 , 2)

   Answer: D

Explanation:
(diagram)

from the diagram answer is (-1 , 2)

So the answer is option D.

Question 41

Point P is the midpoint of segment AB. Co-ordinates of P are (1 , 3) and A are (-3 , 8). What are the co-ordinates of point B?

A   (-5 , -2)

B   (-5 , 2)

C   (5 , 2)

D   (5 , -2)

   Answer: D

Explanation:
Mid-point = $\left(\frac{x_1+x_2}{2} , \frac{y_1+y_2}{2} \right)$

$(1 , 3) = \left(\frac{-3+x}{2} , \frac{8+y}{2} \right)$

-3+x = 2 so x = 5

8+y = 6 so y = -2

so the answer is option D.

Question 42

What is the slope of the line perpendicular to the line passing through the points (3 , -2) and (4 , 2)?

A   1/4

B   4

C   -4

D   -1/4

   Answer: D

Explanation:
slope m = $\frac{y_2-y_1}{x_2-x_1} = \frac{2+2}{4-3} = 4$

slope of the perpendicular line = -1/m = -1/4.

So the answer is option D.

Question 43

ΔABC is similar to ΔPQR. If ratio of perimeters of ΔABC and ΔPQR is 3:7 and if PQ = 21 cm, then the length of AB (in cm) is?

A   6

B   14

C   9

D   18

   Answer: C

Explanation:

For similar triangles, ratio of perimeters = ratio of corrosponding sides

PQ/AB = 7/3

21/AB = 7/3

AB = 9

So the answer is option C.

Question 44

What is the value of 2 Sec 45° + Tan 30° ?

A   (2√6 + 1)/√3

B   √3

C   (2√2 + 3)/√6

D   (9 + 2√3)/9

   Answer: A

Explanation:

 2 Sec 45° + Tan 30°= 2√2 + 1/√3 = (2√6 + 1)/√3

So the answer is option A.

Question 45

Δ ABC is right angled at B. If m∠A = 60°, then what is the value of Cot C?

A   √2

B   1/√3

C   √3

D   2/√3

   Answer: C

Explanation:

B = 90° A = 60°

then C = 30° ($\because$ $A + B + C = 180°$)

cot C = cot 30° = √3

So the answer is option C.

Question 46

If Cosec θ = 25/7 , then what is the value of Cos θ?

A 25/24

B 7/24

C 24/25

D 7/25

   Answer: C

Explanation:
 Cosec θ = 25/7

sin θ = 7/25

cos θ = 1- sin^2θ = 1 - $(7/25)^2$ = 24/25

So the answer is option C.

Instructions

The pie chart shows the votes in 1000s polled in favour of six candidates (A, B, C, D, E, F) contesting for a particular seat. Study the diagram and answer the following questions.
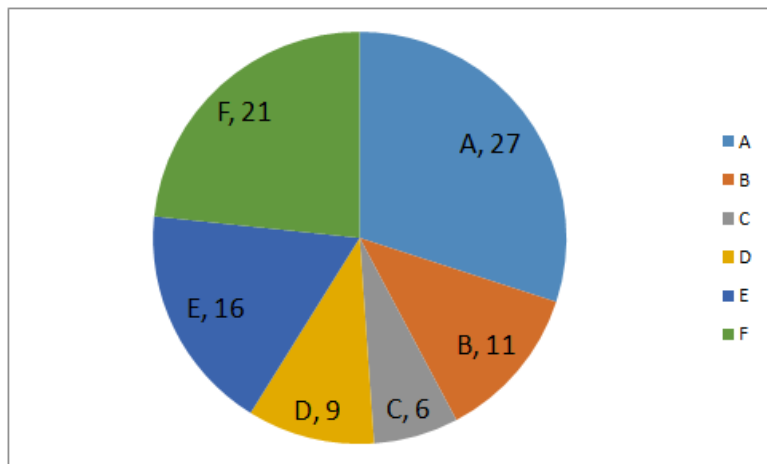
Question 47

If Candidate A is disqualified then which candidate will be declared the winner?

A E

B B

C F

D D

   Answer: C

Explanation:
Candidate F got 2nd highest no.of votes

So the answer is option C.

Question 48

The winning candidate got how many more votes than the one who came second?

A 6000

B 5000

C 11000

D 7000

   Answer: A

Explanation:

Winner is A = 27000votes

2nd one is F = 21000votes

difference = 6000

So the answer is option A.

Question 49

Analysts believe that if candidate E had not stood in the fray then votes that he got would have been equally divided between F and C, then what would have been the result?

A A would have lost by 1000 votes

B F would have won by 2000 votes

C F would have lost by 2000 votes

D A would have won by 1000 votes

   Answer: B

Explanation:

E got 16000 votes

16000 votes should be divided between F and C i.e; 8000 each

then F has 21000+8000 = 29000 votes

C has 6000+8000 = 14000 votes

now,

A = 27000

B = 11000

C = 14000

D = 9000

F = 29000

F would be the winner with a majority of 2000 votes

So the answer is option B.

Question 50

If voting attendance was 60% then how many names must be there in the voter list?

A 225000

B 90000

C 144000

D 150000

   Answer: D

Explanation:

Total votes = (27+11+6+9+16+21)*1000 = 90000

if there was 60% attendance, then total voters = 90000/0.6 = 150000

So the answer is option D.

Reasoning

Instructions

For the following questions answer them individually

Question 51

Select the related word from the given alternatives.

Cow : Calf :: Hen : ?

A Chick

B Cock

C Egg

D Fly

   Answer: A

Explanation:

This is under the category of Animal and Young ones.

Calf is the young one of Cow and Chick is the Young one of Hen.

Question 52

Select the related letters from the given alternatives.

DHL : AEI :: QUY : ?

A MQU

B NRV

C OSW

D PTX

   Answer: B

Explanation:

DHL is coded as AEI. It followed the sequence-'n-3'

D-3 = A ; H-3 = E ; L-3 = I;

Hence for QUY the code is NRV

Q-3 = N ; U-3 = R ; Y-3 = V

Hence Option B is correct.

Question 53

Select the related number from the given alternatives.

0.5 : 2 :: 0.125 : ?

A 6

B 16

C 8

D 12

   Answer: C

Explanation:

Inverse of 0.5 is 2 and Inverse of 0.125 is 8.

Hence option C is correct

Question 54

Select the odd word from the given alternatives.

A Book

B Page

C Pen

D Diary

   Answer: C

Explanation:

Except Pen Other Options are a type of Note books.

Question 55

Select the odd letters from the given alternatives.

A EGI

B MOQ

C UWY

D NLJ

   Answer: D

Explanation:

All other options except 4th one follows the sequence of 'n+2'

E+2=G; G+2=I;

M+2=O; O+2=Q;

U+2=W; W+2=Y;

N-2=L; L-2=J;

Option D does not follow the sequence.

Question 56

Select the odd number from the given alternatives.

A 47

B 41

C 59

D 63

   Answer: D

Explanation:
63 is the only Prime number out of the given options.Hence Option D is correct.

Question 57

A series is given, with one word missing. Choose the correct alternative from the given ones that will complete the series as per dictionary.

?, Lifelike, Lifeline, Lifelong

A   Lifeless

B   Lifespan

C   Lifelost

D   Lifework

   Answer: A

Explanation:
Lifespan cannot be the first word, as 's' comes after 'l'.

Thus, first word can only be 'lifeless' as per the dictionary.

=> Ans - (A)

Question 58

A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

B, C, E, H, L, ?

A   Q

B   N

C   O

D   P

  Answer: A

Explanation:

B+1=C ; C+2=E ; E+3=H ; H+4=L. Hence to get next number in the sequence Add 5 to L.We get L+5=Q.

Hence option A is correct

Question 59

A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series.

-4, ?, 3, 8, 14, 21

A   0

B   1

C   -2

D   -1

  Answer: D

Explanation:

It follows the sequence of n+(a+1) Where a is a natural number sequence starting from 3.

-4 + 3 = -1

-1 + 4 = 3

3 + 5 = 8

8 + 6 = 14

14 + 7 = 21

Hence Option D is correct

Question 60

Meetu's birthday is on Wednesday 8th March. On what day of the week will be Ritu's Birthday in the same year if Ritu was born on 10th July?

A   Monday

B   Wednesday

C   Friday

D   Saturday

  Answer: A

Explanation:

Meetu's Birthday is on 8th march and Reetu's Birthday is on 10th July. There are 124 days in between them.23 days in march,30 days in April,31 days in may,30 days in June,10 days in July. Now divide 124 with 7 to find the remainder.

124%7 = 5 (Remainder)

0-Wednesday 1-Thursday 2-Friday 3-Saturday 4-Sunday 5-Monday....

Hence 10th July must be Monday.

Question 61

The weights of 4 boxes are 30, 40, 50 and 80 kilograms. Which of the following cannot be the total weight, in kilograms, of any combination of these boxes and in a combination a box can be used only once?

A   120

B   110

C   100

D   130

   Answer: C

Explanation:
Every other Number in the options except 100 can be formed using the numbers 30,40,50,80.

1) 40 + 80 = 120

2) 30 + 80 = 110

4) 50 + 80 = 130

Hence only 100 cannot be formed.

Question 62

From the given alternative words, select the word which cannot be formed using the letters of the given word:

DUPLICATE

A   PLATE

B   DUCTILE

C   LUCID

D   TEAM

   Answer: D

Explanation:
Every Word in the options can be formed except Team using DUPLICATE.

There is no 'M' in DUPLICATE

Question 63

If PRIMATE is coded as MOFJXQB, then how will COW be coded as?

A   ZLT

B   EDC

C   RFV

D   TGB

   Answer: A

Explanation:
The sequence is 'n-3'

P-3=M ; R-3=O ; I-3=F ; M-3=J ; A-3=X ; T-3=Q ; E-3=B

Hence the code for COW is ZLT

Question 64

In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the following question?

11 + 50 - 150 ÷ 200 = ?

A 200

B 500

C 250

D 50

   Answer: B

Explanation:
Expression = 11 + 50 - 150 ÷ 200 = ?

$\equiv 11 \times 50 + 150 - 200$

$= 550 - 50 = 500$

=> Ans - (B)

Question 65

If 7x1=12; 5x4=2; 6x4=4; then what is the value of 7x4 = ?

A 8

B 6

C 11

D 28

   Answer: B

Explanation:
The pattern followed is that the positive difference of the number is multiplied by 2.

Eg : 7x1 = $(7 - 1) \times 2 = 6 \times 2 = 12$

and 5x4 = $(5 - 4) \times 2 = 1 \times 2 = 2$

and 6x4 = $(6 - 4) \times 2 = 2 \times 2 = 4$

Similarly, 7x4 = $(7 - 4) \times 2 = 3 \times 2 = 6$

=> Ans - (B)

Question 66

Select the missing number from the responses ?

18	90	5
13	143	11
7	?	5

A 12

B 2

C 53

D 35

Answer: D

Explanation:

In the first row, the product of the first and third number will result in the middle number.

Eg : $18 \times 5 = 90$

and $13 \times 11 = 143$

Similarly, $7 \times 5 = 35$

=> Ans - (D)

Question 67

A man cycles 7 km East, then turns South and cycles 12 km, then turns West and cycles 7 km, then turns to his left and cycles 10 km. Where is he now with reference to his starting position?

A 22 Kms South

B 2 Kms South

C 22 Kms East

D 2 Kms East

Answer: A

Explanation:
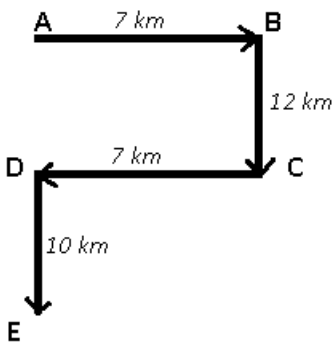
Let the man starts from point A, then he travels east for 7 km and reaches B. He then turns south and travels for 12 km and reaches C.

After that, he cycles west for 7 km and finally reaches point E.

Thus, AE = 12 + 10 = 22 km

∴ The man is 22 km to the south of his initial position.

=> Ans - (A)

Question 68

In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement 1 : All steel is iron.
Statement 2 : No iron is solid.

Conclusion I : No steel is solid.
Conclusion II : Some iron is steel.

A   Only conclusion I follows

B   Only conclusion II follows

C   Both I and II follow

D   Neither I nor II follows

  Answer: C

Explanation:
The venn diagram for the above statements is :
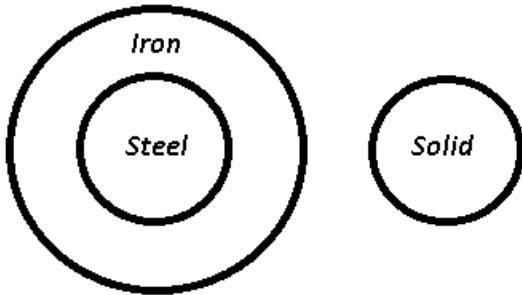
Conclusion I : No steel is solid = true

Conclusion II : Some iron is steel = true

Thus, both I and II follow

=> Ans - (C)

Question 69

Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure?

A

B

C

D
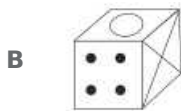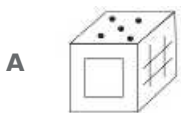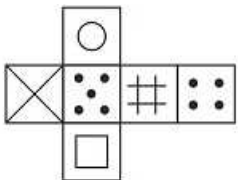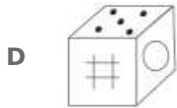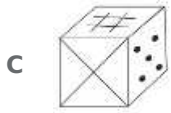
Answer: C

Explanation:
When we fold the given figure, the side with a '5 dots' sign will become the base of the cube and the side with only '4 dots' sign will become top, and thus they will face each other. Similarly, the sides which will face each other will be :
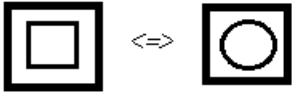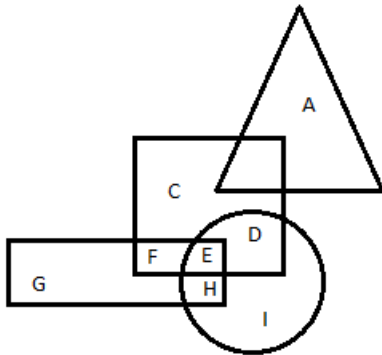

Since, the opposite sides cannot be adjacent in the cube, thus the cube in the third option is not possible.
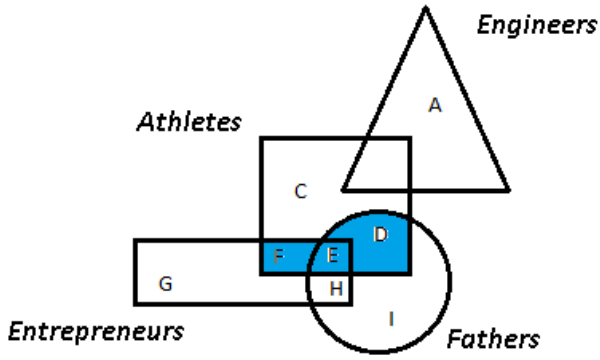
=> Ans - (C)

Question 70

In the following figure, square represents athletes, triangle represents engineers, circle represents fathers and rectangle represents
entrepreneurs. Which set of letters represents athletes who are either entrepreneurs or fathers?

A   F,E,D

B   D,E,F,G,H,I

C   G,H,I

D   E,H

 **Answer:** A

Explanation:

Athletes who are either entrepreneurs or fathers are represented by blue colour = F+E+D

=> Ans - (A)

Question 71

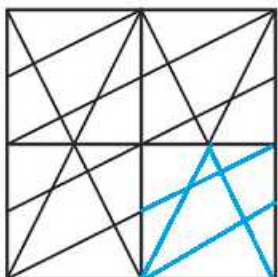**Which answer figure will complete the pattern in the question figure**
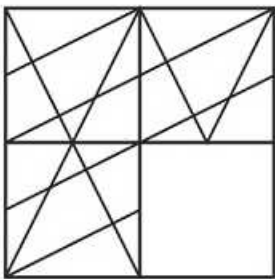
A

B

C

D

Answer: A

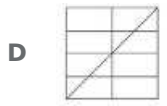**Explanation:**
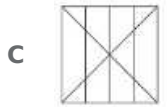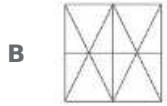When we complete the above figure, we get :

Now, the first figure resembles the above missing part in blue colour.

=> Ans - (A)

Question 72

From the given answer select in one in which the question figure is hidden / embedded

A

B

C

D
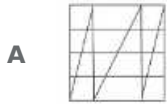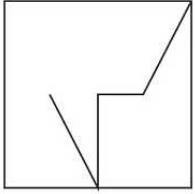
Answer: B

Explanation:
The question figure is embedded in the following figure :

=> Ans - (B)

Question 73

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

A

B

C

D
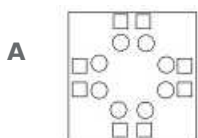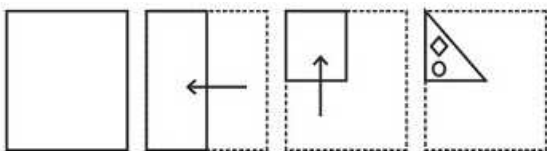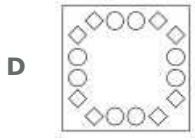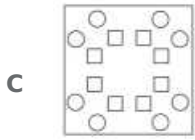
Answer: D

Question 74

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

A

B

C

D
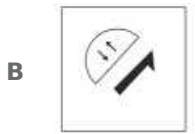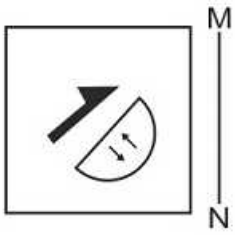
Answer: D
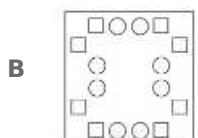
Explanation:

A vertical mirror is placed, so the object at the left will appear at the right and vice-versa. The half arrow currently pointing north east will face north west in the mirror image, thus first two options are eliminated.

Also, for the smaller arrows in the semi circle, the 1st arrow is pointing upwards, similarly, in the mirror image it will face upwards but the direction will be reversed, thus third option is not possible.

=> Ans - (D)

Question 75

A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for
example 'Y' can be represented by 55, 87 etc and 'Z' can be represented by 14, 01 etc. Similarly, you have to identify the set for the word 'VERY'.

	Matrix - I				
	0	1	2	3	4
0	W	Z	G	T	D
1	S	R	W	G	Z
2	X	F	S	D	E
3	Q	V	C	S	F
4	A	T	Q	Q	A

	Matrix - II				
	5	6	7	8	9
5	Y	N	L	I	Y
6	H	I	P	J	I
7	B	K	O	N	O
8	U	M	Y	B	P
9	J	O	H	L	K

A   01,43,21,78

B   31,24,11,87

C   11,20,66,85

D   88,56,43,20

  Answer: B

Explanation:
(A) : 01,43,21,78 = ZQFN

(B) : 31,24,11,87 = **VERY**

(C) : 11,20,66,85 = RXIU

(D) : 88,56,43,20 = BNQX

=> Ans - (B)

English

Instructions
For the following questions answer them individually

Question 76

In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

A slow smile worked (1)/ its way cross his (2)/ face and into his eyes. (3)/No Error (4)

A   1

B   2

C   3

D   4

  Answer: B

Explanation:

'cross' is a verb which has been inappropriately used. Instead 'across' can be used which is a preposition. Hence, option B is correct.

Question 77

In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

His expression gave no (1)/ clue of what was going (2)/ on among his head. (3)/ No Error (d)

A   1

B   2

C   3

D   4

Answer: C

Explanation:
'among' is wrong. Instead 'in' should be used. Hence, option C is correct.

Question 78

In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

After being given _____ warnings for disrupting class, Thomas was finally sent to the principal's office.

A   singular

B   lone

C   numerous

D   unique

Answer: C

Explanation:
'Singular' means single. 'Lone' means solitary or single. 'Numerous' means many. 'Unique' means being the only one of its kind. Hence, option C is correct.

Question 79

In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

The _____ "pretty ugly" implies that a person can be both attractive and unattractive at the same time.

A   simile

B   metaphor

C   alliteration

D   oxymoron

Answer: D

Explanation:

'Oxymoron' is a figure of speech in which two words which are opposite in meaning exist together. 'pretty' and 'ugly' are two words which are opposite in meaning and are appearing together. Hence, option D is correct.

Question 80

In the following question, out of the four alternatives, select the word similar in meaning to the word given.

Cynicism

A   Conviction

B   Bitterness

C   Credence

D   Intuition

  Answer: B

Explanation:

'Cynicism' is a negative word which means an inclination to believe that people are motivated only by self-interest. 'Bitterness' means anger and disappointment or resentment. Hence, option B is correct.

Question 81

In the following question, out of the four alternatives, select the word similar in meaning to the word given.

Pinnacle

A   Culmination

B   Nadir

C   Nethermost

D   Basal

E   'Pinnacle' means topmost point. 'Culmination' also means highest point or peak. Hence, option A is correct.

  Answer: A

Question 82

In the following question, out of the four alternatives, select the word opposite in meaning to the word given.

Befuddle

A   Baffle

B   Daze

C   Fluster

D   Explicate

  Answer: D

Explanation:

'Befuddle' means unable to think clearly. 'Explicate' means to think upon something in detail. Hence, option D is correct.

Question 83

In the following question, out of the four alternatives, select the word opposite in meaning to the word given.

Supplant

A   Supersede

B   Surrender

C   Usurp

D   Oust

   Answer: B

Explanation:
'Supplant' means to take over or replace. 'Surrender' means to give up. Hence, option B is correct.

Question 84

In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Get the message

A   Understand what is implied by a remark or action

B   Communicate using a secret language

C   Find it difficult to understand a different language

D   Fire someone from a job

   Answer: A

Explanation:
'Get the message' means to understand what is implied by a remark or action. Hence, option A is correct.

Question 85

In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Keep at bay

A   Keep your problems to yourselves

B   to control something and prevent it from causing you problems

C   Not share a secret

D   Maintain a long distance relationship

   Answer: B

Explanation:
'Keep at bay' means to control something and prevent it from causing you problems. Hence, option B is correct.

Question 86

In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".

Tom pretended to not (heard) a thing.

A   hear

B   hearing

C   be hearing

D   no improvement

   Answer: A

Question 87

In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".

He must (has change) clothes during the night.

A   have changed

B   has changed

C   have changes

D   no improvement

   Answer: A

Question 88

In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

Deriving pleasure from inflicting pain

A   Sadistic

B   Genial

C   Tender

D   Placid

   Answer: A

Question 89

In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

A person highly skilled in music

A   Virtuoso

B Amateur

C Novice

D Dabbler

Answer: A

Question 90

In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.

A palatable

B palateble

C pallateble

D pallatable

Answer: A

Question 91

In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.

A unnerving

B unnerveing

C unerving

D unerveing

Answer: A

Question 92

The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

At length, about an hour later, we

X-spied a little pile of boulders rising
Y-this we dragged ourselves
Z-out of the plain, and to

A XYZ

B ZYX

C XZY

D ZXY

Answer: C

Question 93

The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

Secondly, it is consistent

X-with human experience that
Y-places and be depressed in others
Z-land should rise gradually in some

A XYZ

B ZYX

C ZXY

D XZY

Answer: D

Question 94

In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.

The labourers paved the entire stretch of the road.

A The entire stretch of the road is paved by the labourers.

B Paving of the entire stretch of the road was done by the labourers.

C The entire stretch of the road was paved by the labourers.

D Paving of the entire stretch of the road is done by the labourers.

Answer: C

Explanation:
The passive voice of the given statement is - "The entire stretch of the road was paved by the labourers."

Question 95

In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.

The visitor said, "Is your mother at home?"

A The visitor asked me is my mother at home.

B The visitor asked to me whether my mother was at home.

C The visitor asked to me is my mother at home.

D The visitor asked me whether my mother was at home.

Answer: D

Instructions

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

But before I could be inspired by these amazing people, I had to cleanse my feed. I know my weaknesses: just last week, Facebook memories reminded me of a pizza party I'd had two years ago and I ended up ordering a chicken dominator, with garlic breadsticks and an jalapeno cheese dip. So much for Day One of Couch to 5K training. I stayed right on that couch. So far I've unfollowed Buzzfeed Tasty, TasteMade (even their adorable Tiny Kitchen) and several people who have the enviable advantage of being able to eat as much as they want and not put on weight. By my calculations, dark chocolate is healthy, so I'm still following Earth Loaf, Pascati and Mason & Co.

When I finally found a gym I liked, with the best trainers I have had, I unabashedly shared my workouts every day. From shying away from full-length pictures, I reached a point where I could share videos of myself deadlifting and doing back squats with a barbell across my shoulders. It gave me accountability: I challenged myself to go to the gym for 30 classes straight, and I did it. Which reminds me, it's time to start a new challenge.

Question 96

Posts related to which topic does the writer want to remove from her feed?

A   Dark Chocolate

B   Make-up

C   Sari

D   Food

   Answer: D

Question 97

What has the writer succeeded in doing?

A   Lost the desired weight

B   Succeeded in overcoming temptations to order pizzas

C   Attended 30 gym classes without a break

D   Removed unhealthy posts including about chocolates

   Answer: C

Question 98

Which of the following is a page related to chocolate?

A   Earth Loaf

B   Buzzfeed Tasty

C   TasteMade

D   Tiny Kitchen

   Answer: A

Question 99

What weight loss program has the writer enrolled in?

A   30 Straight gym classes

B   Couch to 5K

C   Mason & Co

D   Eat chocolate to lose weight

   Answer: B

Question 100

What gave the writer accountability?

A   Sharing her workout videos on social media

B   Unfollowing people and pages not related to health

C   Going to the gym daily

D   Doing challenging exercises like deadlifting

   Answer: A