

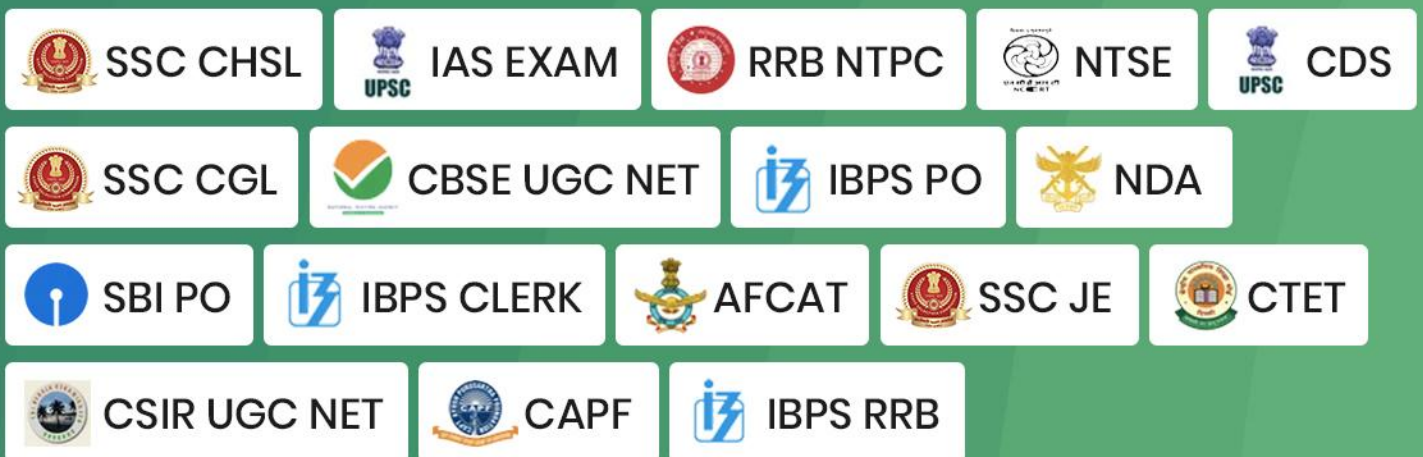


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Reasoning

Instructions

For the following questions answer them individually

Question 1

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

CFZ : HIU :: : JLS

A EHW

B EIX

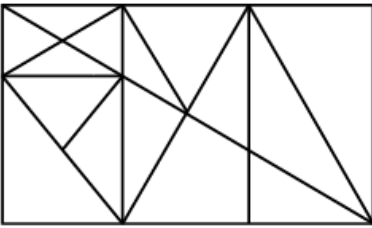
C FHX

D EIY

Answer: B

Question 2

How many triangles are there in the following figure ?



A 36

B 35

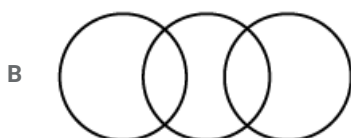
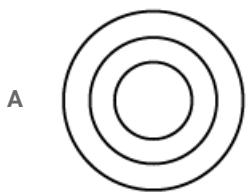
C 34

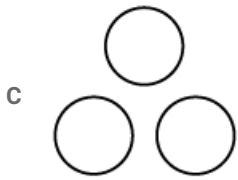
D 30

Answer: B

Question 3

Choose the Venn diagram from the given options that best represents the relationship amongst the following classes: Vienna, Europe, New Zealand





Answer: D

Question 4

Three of the following four number-pairs are alike in a certain way and one is different. Find the odd one out.

A 8 : 20

B 18 : 81

C 12 : 36

D 10 : 25

Answer: A

Question 5

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

6 : 18 :: 14 :

A 70

B 108

C 64

D 98

Answer: D

Question 6

Which number in the given series is INCORRECT?

11, 30, 67, 120, 219, 346

A 120

B 67

C 11

D 346

Answer: A

Question 7

If sign '×' is interchanged with '÷' and number '3' is interchanged with '2', then which of the following equations would be correct?

A $2 \times 3 \div 2 + 2 - 3 = 0$

B $3 \times 2 \div 2 + 2 - 3 = 3$

C $2 \times 3 - 2 + 2 \div 3 = 0$

D $3 \div 2 \times 2 + 2 - 3 = 1$

Answer: B

Question 8

Select the correct alternative to indicate the arrangement of the following words in a logical and meaningful order.

1. Ornaments
2. Gold
3. Goldsmith
4. Jewelry shop
5. Bride

A 2, 4, 5, 1, 3

B 2, 3, 1, 4, 5

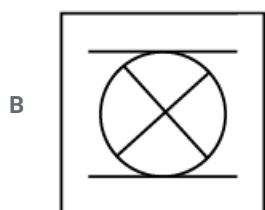
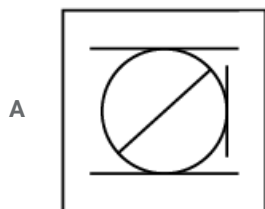
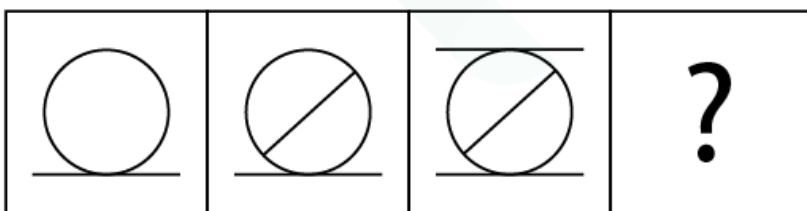
C 4, 2, 5, 3, 1

D 2, 5, 4, 3, 1

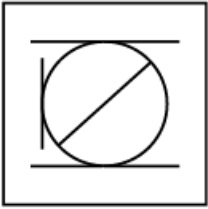
Answer: B

Question 9

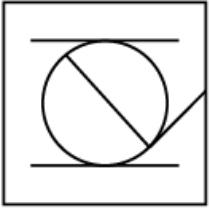
Select the figure that will come next in the following figure series.



C



D



Answer: B

Question 10

Choose the mirror image of the given word if the mirror is placed to the right of the word.

BK5ORP62

A

BK5ORP62

Figure 1

B

BK5ORP62

Figure 2

C

BK5ORP92

Figure 3

D

BK5ORP62

Figure 4

Answer: D

Question 11

Three different positions of a dice are shown below. Find the number opposite '2'.



A 5

B 3

C 1

D 6

Answer: A

Question 12

Which letter will replace the question mark (?) in the following series?

Z, X, V, T, R, ?

A P

B O

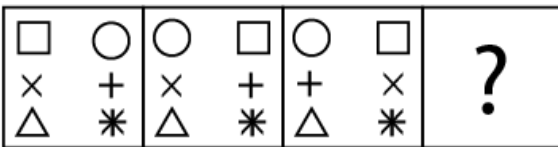
C Q

D S

Answer: A

Question 13

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



A



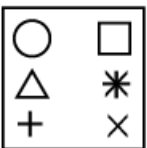
B



C



D



Answer: A

Question 14

If South-East becomes North, North-East becomes West and so on, what will South-West become?

A South

B West

C East

D North

Answer: C

Question 15

Which set of letters will come next in the following series?

BDZ, DGX, FJV, HMT, JPR,

A MSP

B LSP

C LTP

D LSO

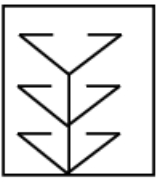
Answer: B

Question 16

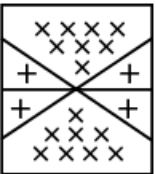
Select the figure in which the given figure is embedded.



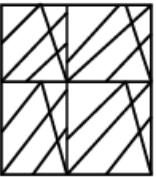
A



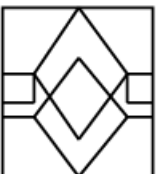
B



C



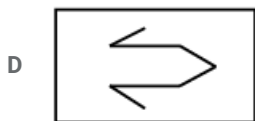
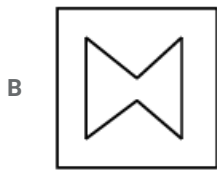
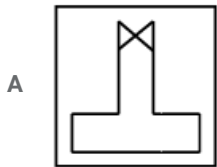
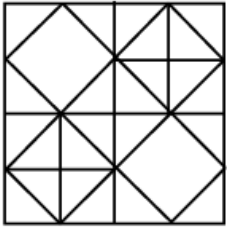
D



Answer: D

Question 17

Select the answer figure which is embedded in the given figure.



Answer: C

Question 18

'Skating' is related to 'Rink' in the same way as 'Tennis' is related to:

- A Racket
- B Court
- C Pitch
- D Arena

Answer: B

Question 19

Select the word-pair in which the two words are related in the same way as are the two words in the following word- pair.
Mammal : Bear

- A Fruit : Mango
- B Player : Team
- C Plants : Food
- D Pen : Pencil

Answer: A

Question 20

If AN = 14 and CAT = 60, then BEG = ?

- A 68
- B 70
- C 74
- D 72

Answer: B

Question 21

Select the set of numbers that is similar to the following set of numbers.

(3, 5, 7)

- A (23, 29, 31)
- B (11, 13, 19)
- C (29, 35, 41)
- D (19, 21, 31)

Answer: A

Question 22

Select the number-pair in which the two numbers are related in the same way as are the two numbers of the given number pair.
36:49

- A 25 : 64
- B 289 : 324
- C 256 : 361
- D 16 : 36

Answer: B

Question 23

If in a certain code 'OPERATION' is written as 'BWDATXPBJ' and 'PARENT' is written as 'WTADJX', how will 'ORIENT' be written in that code?

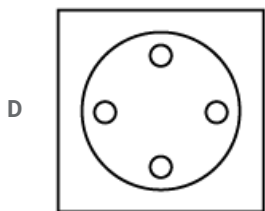
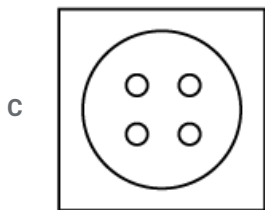
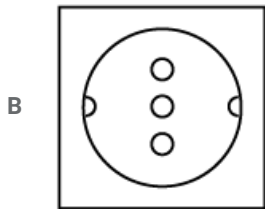
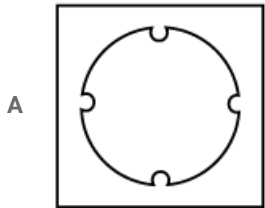
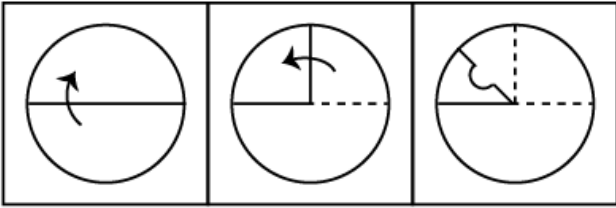
- A BAPDJX
- B PSJFOU
- C BWPDJX

D BPADJX

Answer: A

Question 24

A circular piece of paper is folded and cut as shown below. How will it appear when unfolded ?



Answer: C

Question 25

Which number will come next in the following series?

3, 7, 16, 32, 57,

A 93

B 80

C 85

D 98

Answer: A

Question 26

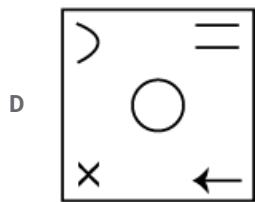
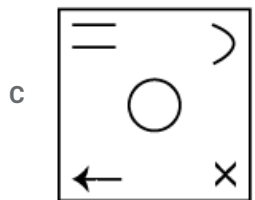
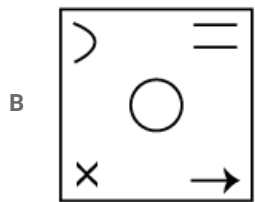
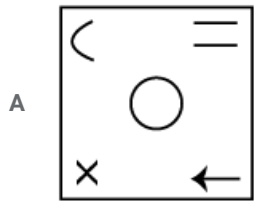
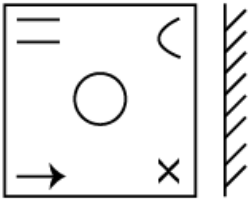
Select the option that is related to the third term in the same way as the second term is related to the first term.
REFORM : MROFER :: ACTION :

- A NOTICA
- B CTOINA
- C CTIONA
- D NOITCA

Answer: D

Question 27

Select the mirror image of the given figure when the mirror is placed vertically to the right of the figure.



Answer: D

Question 28

Which two signs should be interchanged to make the given equation correct?

$$14 + 4 \div 5 - 18 \times 2 = 25$$

- A \times and $+$
- B \div and $+$
- C \times and $-$
- D \div and \times

Answer: D

Question 29

Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair
Doctor : Hospital

- A Teacher : School
- B Governor : President
- C Supervisor : Officer
- D Museum : Visitor

Answer: A

Question 30

Three of the following four number-pairs are alike in a certain way and one is different. Find the odd one out.

- A 14, 6
- B 41, 2
- C 7, 12
- D 21, 4

Answer: B

Question 31

Three of the following four number-pairs are alike in a certain way and one is different. Find the odd one out.

- A 133 : 171
- B 119 : 153
- C 63 : 81
- D 93 : 117

Answer: D

Question 32

Consider the following statements to be true even if they seem to be at variance from commonly known facts and decide which of the conclusions logically follows from the statements.

Statements:

- A. Some bulbs are LEDs.
- B. Some LEDs are tubelights.

Conclusions:

- I. Some tubelights are bulbs.
- II. No tubelight is a bulb.

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

Answer: C

Question 33

'Ocean' is related to 'Water' in the same way as 'Desert' is related to:

- A Sand
- B Mountain
- C Wind
- D Wave

Answer: A

Question 34

Three of the following four letter-clusters are alike in a certain way and one is different. Find the odd one out.

- A CCdee
- B EEfgg
- C TTuvv
- D KKlmn

Answer: D

Question 35

Three of the following four words are alike in a certain way and one is different. Find the odd one out.

- A Vacant : Empty
- B Flaw : Defect

C Mend : Repair

D Sink : Float

Answer: D

Question 36

If + means ' \div ', - means '+', \times means '-' and \div means ' \times ', then what will be the value of the following expression?

$$18 \div 6 - 27 + 3 \times 12 = ?$$

A 105

B 92

C 107

D 95

Answer: A

Question 37

In a certain code language 'CANDLE' is written as 'DIOEMZ' and 'MODERN' is written as N4EZO. How will 'BEWARE' be written in the same code language?

A C2X1S2

B C2X2S2

C D2OEM2

D CFY2S2

Answer: A

Question 38

Three of the following four words are alike in a certain way and one is different. Find the odd one out.

A Engineer

B Education

C Lawyer

D Doctor

Answer: B

Question 39

Three of the following four letter-clusters are alike in a certain way and one is different. Find the odd one out.

A DFHIL

B HJMOR

C LNPRT

D NPRTV

Answer: B

Question 40

Which number will come next in the following series?

1, 4, 4, 16, 64,

A 1026

B 1024

C 216

D 128

Answer: B

Question 41

In a certain language, EMBEZZLE is coded as MEEBZZEL. How will MAXEMIZE be coded in the same language?

A AMIXIMEZ

B AMIMIXEZ

C AIMXMIEZ

D EMIXIMEM

Answer: A

Question 42

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

2264 : 7241 :: 3129 :

A 2572

B 7132

C 6342

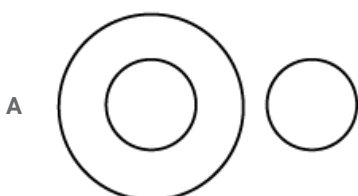
D 9521

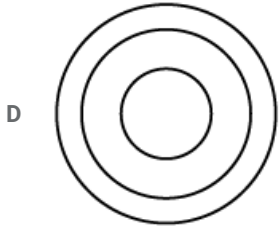
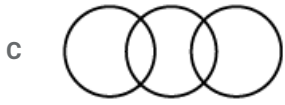
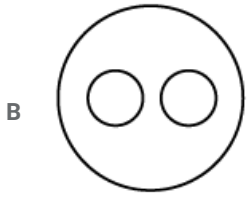
Answer: C

Question 43

Choose the Venn diagram from the given options that best represents the relationship amongst the following classes:

Inert Gases, Chlorine, Helium





Answer: A

Question 44

Select the correct alternative to indicate the arrangement of the following words in a logical and meaningful order.

1. Chapter
2. Word
3. Letter
4. Phrase
5. Paragraph
6. Sentence

A 3, 2, 6, 4, 5, 1

B 3, 2, 4, 6, 1, 5

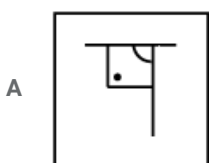
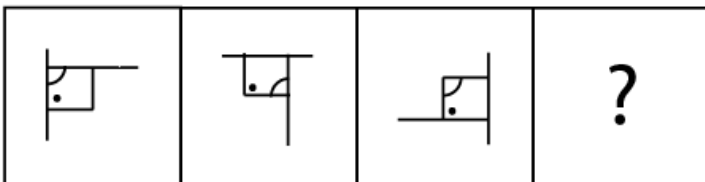
C 2, 3, 4, 1, 6, 5

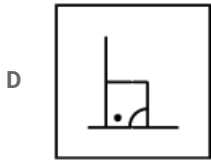
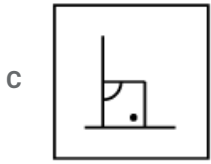
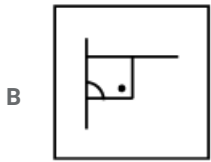
D 3, 2, 4, 6, 5, 1

Answer: D

Question 45

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





Answer: D

Question 46

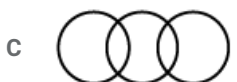
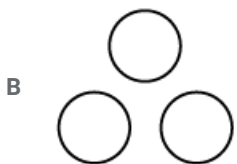
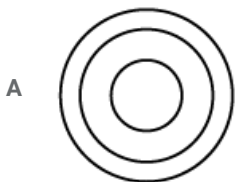
Mayank's house faces South. He leaves from the back gate of his house and walks 18 in. Then he turns right and walks 28 m. Then he turns right and walks 35 in. Then he turns left and walks 12 m. He then turns left and walks 17 m. In which direction and how many metres away is he from the original position?

- A 30 meters West
- B 20 meters North
- C 17 meters South
- D 40 meters East

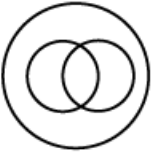
Answer: D

Question 47

Choose the Venn diagram from the given options that best represents the relationship amongst the following classes: Mothers, Doctors, Homo Sapiens



D



Answer: D

Question 48

Three of the following four numbers are alike in a certain way and one is different. Find the odd one out.

- A 60
- B 52
- C 130
- D 78

Answer: A

Question 49

Select the set of numbers that is similar to the following set of numbers.
(7, 16, 34)

- A (29, 57, 96)
- B (10, 19, 28)
- C (23, 31, 48)
- D (49, 58, 76)

Answer: D

Question 50

Consider the following statements to be true even if they seem to be at variance from commonly known facts and decide which of the conclusions logically follows from the statements.

Statements:

- A. All roads are vehicles.
- B. Some vehicles are trees.

Conclusions:

- I. Some trees are roads.
- II. All vehicles are trees.

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

Answer: C

General knowledge

Instructions

For the following questions answer them individually

Question 51

With which of the following folk dance, India has made it's entry in the Guinness Book of World Records in the year 2015?

- A Nati
- B Bhangra
- C Garba
- D Bihu

Answer: A

Question 52

In January 2019, Indian Space Research Organisation launched a special programme for school children named to inculcate and nurture space research fervour in young minds.

- A Young Blood programme
- B Young Thoughts programne
- C Young Scientist programme
- D Young Minds programme

Answer: C

Question 53

Bharat Rama and Padma Vibhushan Awards in India were instituted in the year

- A 1958
- B 1954
- C 1968
- D 1964

Answer: B

Question 54

Guru Gobind Singh commanded Sikhs to wear five items all the time. Which of the following is NOT one of these five items?

- A Kesh
- B Kila
- C Kara

D Kangha

Answer: B

Question 55

Jahangir, the Mughal emperor ruled India from 1605 until his death in 1627.

A second

B fourth

C fifth

D third

Answer: B

Question 56

Identify the SI unit of electrical resistance.

A Watt

B Coulomb

C Ampere

D Ohm

Answer: D

Question 57

Which of the following banks is NOT a public sector bank?

A Canara Bank

B Jammu and Kashmir Bank Ltd.

C State Bank of India

D IndusInd Bank

Answer: D

Question 58

..... temple in Kamataka is the most extravagant architectural showpiece of Hampi.

A Akshardham

B Lingaraj

C Vittala

D Meenakshi

Answer: C

Question 59

As of February 2019, who is the Governor of Tamil Nadu?

- A B.D. Mishra
- B O. P. Kohli
- C Banwarilal Purohit
- D Jagdish Mukhi

Answer: C

Question 60

Article 35A was incorporated into the Indian Constitution based on the Delhi agreement entered between then Prime Minister Jawaharlal Nehru and the then Prime Minister of Jammu and Kashmir Sheikh Abdullah.

- A 1956
- B 1960
- C 1955
- D 1952

Answer: D

Question 61

Which ruler constructed the highest and biggest gateway of Victory, Buland Darwaza?

- A Aurangzeb
- B Akbar
- C Jahangir
- D Mohammed Ghori

Answer: B

Question 62

Which of the following metals is found in free state in nature?

- A Aluminium
- B Copper
- C Sodium
- D Potassium

Answer: B

Question 63

The cargo craft departed from the International Space Station after its successful mission to deliver scientific equipment and other supplies.

- A SpaceX
- B SpaceM
- C SpaceZ
- D SpaceY

Answer: A

Question 64

In January 2019, the Supreme Court gave its nod to the on-going projects under India Nepal Buddhist Tour Plan, which connects four holy places by all-weather roads. Which of the following is NOT one of them.

- A Yamunotri
- B Sabarimala
- C Kedarnath
- D Badrinath

Answer: B

Question 65

Guru Gobind Singh was the Sikh Guru.

- A tenth
- B ninth
- C fifth
- D eighth

Answer: A

Question 66

Article of the Constitution of India provides special rights and privileges to permanent residents of Jammu and Kashmir.

- A 35A
- B 32A
- C 31A
- D 34A

Answer: A

Question 67

Which of the following is known as the study of earthquakes?

- A Lithology
- B Semiology
- C Histology
- D Seismology

Answer: D

Question 68

$ZnSO_4 \cdot 7H_2O$ is the chemical formula of which substance?

- A Blue Vitriol
- B Green Vitriol
- C Bleaching powder
- D White Vitriol

Answer: D

Question 69

Where was the Sanskriti Kumbh, a 29 days cultural extravaganza, held in January 2019?

- A Prayagraj
- B Agastyamuni
- C Sonprayag
- D Chandrashila

Answer: A

Question 70

The Imperial Bank of India was renamed as in 1955.

- A The State Bank of India
- B Allahabad Bank
- C Central Bank of India
- D Punjab National Bank

Answer: A

Question 71

Which of the following is the vector of Malaria?

- A Aedes Mosquito
- B Anopheles Mosquito
- C Fleas
- D Sand Fly

Answer: B

Question 72

In which city of India was the first ever Formula One race held?

- A Mumbai
- B Faridabad
- C Greater Noida
- D Pune

Answer: C

Question 73

A minor planet is named after which of the following legends?

- A Milkha Singh
- B Viswanathan Anand
- C Sachin Tendulkar
- D A. R. Rehman

Answer: B

Question 74

In July 2018, became the second Indian mountaineer after Malli Mastan Babu to climb Mount Ojos del Salado, the highest volcano in the world.

- A Aruna Sinha
- B Satyarup Siddhanta
- C Premlata Agrawal
- D Mohan Singh Kohli

Answer: B

Question 75

India won South Asian 2018 Football Federation (SAFF) Under-15 Women's Championship in

- A Thimphu, Bhutan

- B Nanjing, China
- C Hangzhou, China
- D Jakarta, Indonesia

Answer: A

Question 76

..... Tiger reserve in Kamataka is home to the largest number of Asian elephants in the world.

- A Nagarhole Tiger Reserve
- B Bandhagarh National Park
- C Ranthambore Tiger Project
- D Kanha National Park

Answer: A

Question 77

The 'Global Talent Competitive Index' prepared by the in partnership with Tata Communications and Adecco Group was released on the first day of the World Economic Forum Annual Meeting 2019.

- A GURU GOBIND Business School
- B JAMNALAL Business School
- C INSEAD Business school
- D SGT Business School

Answer: C

Question 78

In Carbon dating, a weak C-14 molecule deteriorates and transforms into

- A C-11
- B N-14
- C C-16
- D N-12

Answer: B

Question 79

The Sepoy Mutiny of 1857 took place when was the Governor General of India.

- A Lord Wellesley

- B Lord Dalhousie
- C Lord Canning
- D Lord Bentinck

Answer: C

Question 80

Which Vitamin Is prepared by our body in presence of sunllght?

- A Vitamin B
- B Vitamin C
- C Vitamin D
- D Vitamin A

Answer: C

Question 81

India won medals at the Asian Games 2018 held in Indonesia.

- A 39
- B 49
- C 69
- D 29

Answer: C

Question 82

The fifth Sikh Guru compiled Adi Granth, the first ofiicial edition of the Sikh scripture.

- A Guru AmarDas
- B Guru Arjan Dev
- C Guru Ram Das
- D Guru Gobind Singh

Answer: B

Question 83

Which amongst the following is NOT the member of the BASIC group?

- A India
- B South Africa
- C Australia

D Brazil

Answer: C

Question 84

Prime Minister Narendra Modi released a commemorative coin and stamp dedicated to to mark his 350th birth anniversary on 5th January 2019.

A Guru AmarDas

B Guru Ram Das

C Guru Arjan Dev

D Guru Gobind Singh

Answer: D

Question 85

A petition has been filed by NGO challenging the constitutional validity of both Article 35A and Article 370.

A We The Indians

B We The Opposers

C We The Citizens

D We The Challengers

Answer: C

Question 86

From India, won gold in the Men's Triple Jump event at Asian Games 2018 organized in Jakarta-Palembang, Indonesia.

A Vijay Kumar

B Manjit Singh

C Arpinder Singh

D Renjith Maheshwari

Answer: C

Question 87

Who is the author of the book, 'The Google Story'?

A Shobha Dey

B David A. Vise

C Vikram Seth

D Frederick Forsyth

Answer: B

Question 88

When was NABARD established?

- A 1984
- B 1980
- C 1986
- D 1982

Answer: D

Question 89

Which of the following instruments measures infra-red radiation?

- A Cathetometer
- B Pyrheliometer
- C Phenograph
- D Bolometer

Answer: D

Question 90

Identify the largest muscle in the human body.

- A Gluteus Maximus
- B Iliopsoas
- C Latissimus Dorsi
- D Sartorius

Answer: A

Question 91

Name the annual fair of Rajasthan at which camel trading is a major event?

- A Maru Mela
- B Suraj Kund Mela
- C Sonapur Mela
- D Pushkar Mela

Answer: D

Question 92

Which is the longest tributary of the river Indus?

- A Beas
- B Chenab
- C Jhelum
- D Sutlej

Answer: D

Question 93

The first woman Secretary general of SAARC is from which country?

- A Maldives
- B India
- C Sri Lanka
- D Bhutan

Answer: A

Question 94

Which is the largest freshwater lake in India?

- A Wular Lake
- B Udai Sagar
- C Pangong Tso
- D Chilika Lake

Answer: A

Question 95

The total forest cover in India as per the 2011 census is

- A 17.80%
- B 22.07%
- C 21.05%
- D 23.42%

Answer: C

Question 96

From which city did Jeevan Rekha, the world's first hospital train start its journey on July 16, 1991?

- A New Delhi

- B Bangalore
- C Bombay
- D Varanasi

Answer: C

Question 97

Poor vision in human can be due to the deficiency of

- A Iron
- B Vitamin D
- C Iodine
- D Vitamin A

Answer: D

Question 98

The Presidential order was issued under of the Constitution of India which allows the President to make certain "exceptions and modification" to the Constitution for the benefit of 'State subjects' of Jammu and Kashmir.

- A Article 340 (1) (d)
- B Article 304 (1) (d)
- C Article 314 (1) (d)
- D Article 370 (1) (1)

Answer: D

Question 99

Who was the first Indian to ski to the North pole?

- A Arun Nayyar
- B Neal Paramjeet
- C Ajeet Bajaj
- D Sanjay Thapar

Answer: C

Question 100

Article 35A was incorporated into the Constitution of India in by an order of the then President Rajendra Prasad on the advice of the Jawaharlal Nehru Cabinet.

- A 1956
- B 1954
- C 1959
- D 1950

Answer: B

Quant

Instructions

For the following questions answer them individually

Question 101

A, borrowed ₹ 28,500 at 8% pa interest compounded annually. If ₹ 5,780 was paid at the end of first year, then the outstanding amount at the end of second year is:

- A ₹ 30,780.00
- B ₹ 33,242.40
- C ₹ 27,462.40
- D ₹ 27,000.00

Answer: D

Question 102

Which of the following statement is true?

- A TWO prime numbers are co-prime numbers if their LCM is 1.
- B LCM of two natural numbers is divisible by their HCF.
- C $HCF + LCM$ of two numbers = Product of the two numbers
- D HCF of two numbers is the smallest common divisor of both numbers.

Answer: B

Question 103

In the given figure, XYZ is an equilateral triangle. $\angle XAY = 40^\circ$, $\angle XBZ = 30^\circ$ then $\angle AXB$ is equal to:

Figure

- A 80°
- B 110°
- C 90°

D 60°

Answer: B

Question 104

The single discount equivalent to two successive discounts of 12% and 8% is: (rounded off)

A 19%

B 20%

C 18%

D 17%

Answer: A

Question 105

A tank can be filled by pipe A in 5 hours and emptied by pipe B in 8 hours respectively. How much time will it take for the tank to be half full?

A $3\frac{1}{3}$ h

B $12\frac{1}{3}$ h

C $8\frac{2}{3}$ h

D $6\frac{2}{3}$ h

Answer: D

Question 106

The average of all prime numbers between 10 and 25 is:

A 16.6

B 14.7

C 18.67

D 15.3

Answer: A

Question 107

One-fourth of a tank can be filled in 3 hours by pipe A and one-third of the same tank can be filled in 2 hours by pipe B. How long will it take for the tank to be filled if both the pipes are kept open?

A 5 h

B 4 h

C $2\frac{1}{2}$ h

D 2 h

Answer: B

Question 108

The number 23474 is exactly divisible by:

A 2 and 11 only

B 2 and 3 only

C 2 and 4 only

D 2 only

Answer: A

Question 109

The given bar chart shows the details of cycle sales by a company between January and May for years 2017 and 2018.



In the given bar-chart, which month sales show the maximum decrease in 2018 as compared to 2017?

A January

B May

C April

D February

Answer: D

Question 110

The length of diagonal of a square whose area is $64m^2$ is.

A 8 m

B 4 m

C $8\sqrt{2}m$

D $4\sqrt{2}m$

Answer: C

Question 111

A, B and C are partners. They share profits in the ratio of 5 : 3 : 6. If A earns ₹ 1,92,380 as his share of profit, then the share of C is:

- A ₹ 82,449
- B ₹ 1,15,428
- C ₹ 1,60,317
- D ₹ 2,30,856

Answer: D

Question 112

A trader marks the products 25% above the cost price and allows a discount of 15%. If the cost price is ₹ 2,080, then the selling price is:

- A ₹ 2,392
- B ₹ 2,600
- C ₹ 1,809
- D ₹ 2,210

Answer: D

Question 113

The average age of a cricket team of eleven players is 27 years. If two more players are included in the team the average becomes 26 years, then the average age (in years) of the two included players is:

- A 26
- B 27
- C 24.5
- D 20.5

Answer: D

Question 114

The string of a kite is 30 m long and it makes an angle 60° with the horizontal. The height of the kite above the ground is:

- A 7.5 m
- B $15\sqrt{3}$ m
- C $10\sqrt{3}$ m
- D 15 m

Answer: B

Question 115

A goes to a mall from his house on a cycle at 8 km/h and comes back to his house on a cycle at 6 km/h. If he takes 1 hour 10 minutes in all, what is the distance between his house and the mall?

- A 5 km
- B 6 km
- C 4 km
- D 8 km

Answer: C

Question 116

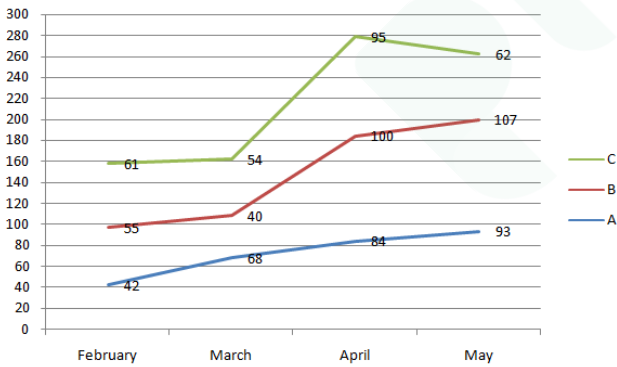
The ages of A and B are in the ratio 5 : 7. Five years ago, their ages were in the ratio 5 : 8. The respective present ages are:

- A 20, 28
- B 15, 21
- C 10, 14
- D 25, 40

Answer: B

Question 117

The line graph shows electricity consumption (in units) for three households A, B and C for months February to May.



If the per unit rate chart is:

Units	Rate per unit(₹)
First 50	2.4
Next 50	3.5
Above 100	5.5

In the given line graph, the electricity charges collected from all (A, B and C) for the month of February is:

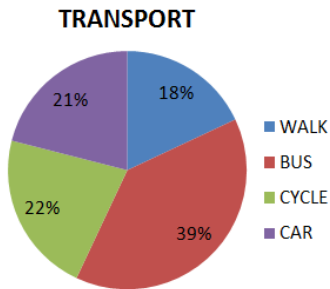
- A ₹ 506.8
- B ₹ 348.00
- C ₹ 474.20

D ₹ 396.80

Answer: D

Question 118

The given pie-chart depicts the percentage of students coming to school using different modes of transport. Total number of students = 1300



In the given pie-chart, if 234 students used to walk, then how many come by bus?

A 507

B 286

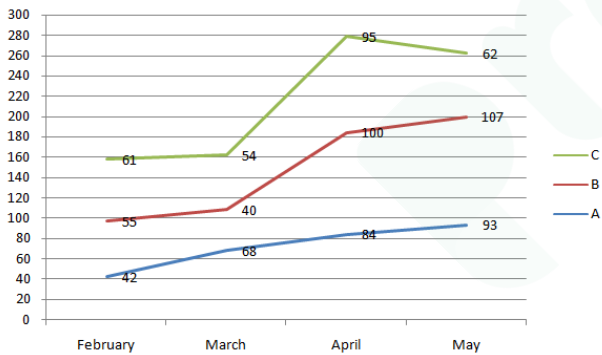
C 273

D 432

Answer: A

Question 119

The line graph shows electricity consumption (in units) for three households A, B and C for months February to May.



In the given line graph, the percentage increase in electricity consumption of 'B' between March and May is:

A 85%

B 95%

C 98%

D 7%

Answer: C

Question 120

$ABCD$ is a cyclic quadrilateral such that AB is a diameter of the circle circumscribing it and angle $BAC = 50^\circ$. Then angle ADC is equal to:

- A 130°
- B 150°
- C 60°
- D 140°

Answer: D

Question 121

The value of $3 \times 3 - [6 - \{12 + 15 \div (7 - 2)\}]$ is equal to.

- A 15
- B 0
- C 18
- D -15

Answer: C

Question 122

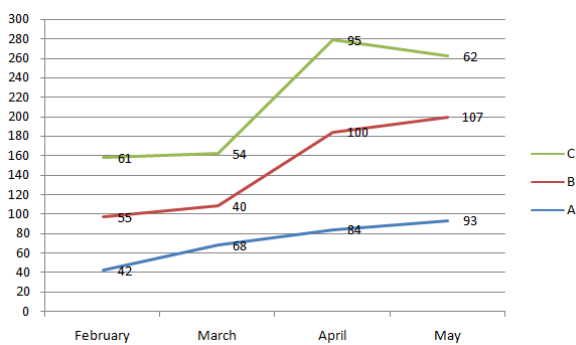
Triangle PQR is a right-angled at Q. If PQ=6 cm, PR=10 cm, then QR is equal to:

- A 5 cm
- B 7 cm
- C 9 cm
- D 8 cm

Answer: D

Question 123

The line graph shows electricity consumption (in units) for three households A, B and C for months February to May.



In the given line graph, the difference between the total electrical consumption between months of February and April is:

- A 74
- B 15

C 121

D 97

Answer: C

Question 124

The population of a town has increased by 5% at the end of the first year and decreased by 4% at the end of second year. If the population at the end of second year was 55,12,248, then the population at the beginning of first year was:

A 56,23,012

B 54,68,500

C 55,72,950

D 53,00,420

Answer: B

Question 125

The volume of a solid cylinder with height 6 cm is 231 cm^3 . The radius of the cylinder is:

A 35 cm

B 21 cm

C 2.1 cm

D 3.5 cm

Answer: D

Question 126

6 men or 5 women earn ₹ 14,820 in two days. How much will 4 women and 6 men earn in one day?

A ₹ 13,338

B ₹ 13,832

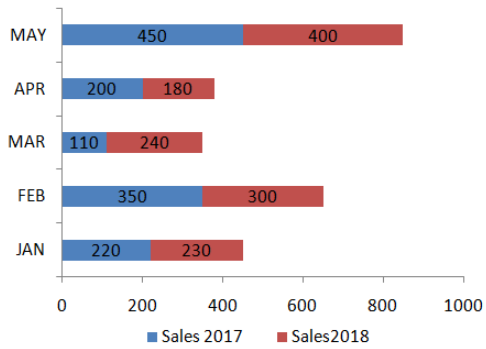
C ₹ 27,664

D ₹ 26,676

Answer: A

Question 127

The given bar chart shows the details of cycle sales by a company between January and May for years 2017 and 2018.



In the given bar-chart, what is the total increase or decrease in percentage sale in 2018?

- A 3% increase
- B 1.5% increase
- C 1.5% decrease
- D 3% decrease

Answer: B

Question 128

A manufacturer sells the product to a wholesaler at 6% profit, the wholesaler sells the product to a retailer at 8% profit and the retailer sells the product to his customer at 10% profit. The price paid by the customer is ₹ 31,482. The cost of the product to the manufacturer is:

- A ₹ 26,524
- B ₹ 28,306
- C ₹ 25,000
- D ₹ 26,980

Answer: C

Question 129

A borrowed a loan from B at 8% simple interest for 2 years and repaid the loan with interest totaling ₹1,91,864. The amount of loan taken by A is:

- A ₹1,68,920
- B ₹1,65,400
- C ₹1,66,540
- D ₹1,64,492

Answer: B

Question 130

If $2 \sin 3\theta = 1$, then the value of θ is:

- A 30°
- B 20°
- C 10°
- D 45°

Answer: C

Question 131

The HCF and LCM of two numbers is 6 and 5040 respectively, If one of the numbers is 210, then the other number is:

- A 30
- B 144
- C 630
- D 256

Answer: B

Question 132

Three cubes With edges 6 cm each are joined end to end to form a cuboid. The total surface area of the cuboid is:

- A 432 cm^2
- B 504 cm^2
- C 648 cm^2
- D 720 cm^2

Answer: B

Question 133

A can do a work in 12 days while B can do same work in 18 days. How long (in days) will it take if they do the work together?

- A $7\frac{1}{5}$
- B $6\frac{2}{3}$
- C $6\frac{1}{5}$
- D $5\frac{3}{4}$

Answer: A

Question 134

A and B are at a distance of 1.7 km apart and they start running towards each other at a speed of 8 m/s and 9 m/s respectively. After how much time, will they meet each other?

- A 1 minute 4 seconds
- B 14 seconds
- C 14 minutes
- D 1 minute 40 seconds

Answer: D

Question 135

An alloy contains 32% copper, 24% nickel and rest zinc. How much zinc is present in 12 kg of the alloy?

- A 672 gm
- B 6.72 kg
- C 528 gm
- D 5.28 kg

Answer: D

Question 136

To what power -3 should be raised to get -2187?

- A -5
- B -7
- C 7
- D 5

Answer: C

Question 137

The volume of a conical tent is 924 m^3 and its base area is 154 m^2 . The height of the tent is:

- A 6 m
- B 12 m
- C 24 m
- D 18 m

Answer: D

Question 138

A number which, when increased by 16% becomes 1914. The number is:

- A 2220
- B 1650
- C 1780
- D 2010

Answer: B

Question 139

The sum of all possible three digit numbers formed by digits 3, 0 and 7, using each digit only once is:

- A 2010
- B 2220
- C 1990
- D 2110

Answer: D

Question 140

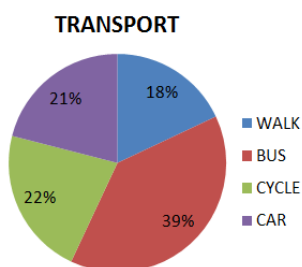
PA and PB are two tangents to a circle with centre O , from a point P outside the circle. A and B are points on the circle. If $\angle OAB = 20^\circ$, then $\angle APB$ is equal to:

- A 20°
- B 25°
- C 40°
- D 50°

Answer: C

Question 141

The given pie-chart depicts the percentage of students coming to school using different modes of transport. Total number of students = 1300



In the given pie-chart, the difference between the number of students travel by bus or walk to the number of students travel by car or cycle.

- A 182
- B 364

C 142

D 125

Answer: A

Question 142

The area of each square of a chessboard having 64 equal squares is 4cm^2 . If there is a border on all the sides of the chessboard of 2 cm, then the perimeter of the chessboard is:

A 128 cm

B 256 cm

C 70 cm

D 80 cm

Answer: D

Question 143

From the top of 120 m high lighthouse, the angle of depression of two ships on opposite side of the base of the lighthouse is 30° and 60° . What is the distance between the ships? (rounded off)

A 327 m

B 177 m

C 277 m

D 127 m

Answer: C

Question 144

If $\cos \theta = \frac{1}{\sqrt{10}}$, then $\tan \theta$ is equal to:

A 3

B $\sqrt{3}$

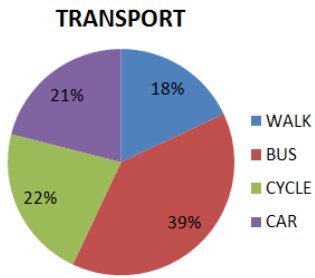
C $\frac{1}{\sqrt{3}}$

D $\frac{1}{3}$

Answer: A

Question 145

The given pie-chart depicts the percentage of students coming to school using different modes of transport. Total number of students = 1300



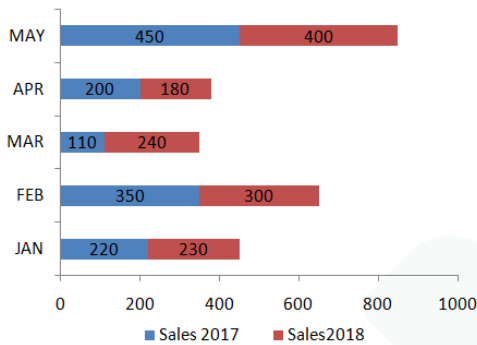
In the given pie-chart, the percentage difference between students coming by car or bus to coming by walking or cycling.

- A 25%
- B 30%
- C 20%
- D 15%

Answer: C

Question 146

The given bar chart shows the details of cycle sales by a company between January and May for years 2017 and 2018.



In the given bar-chart, which month sale shows the maximum increase in 2018 as against 2017?

- A April
- B January
- C May
- D March

Answer: D

Question 147

If $x^2 + \frac{1}{x^2} = 11$, then $x - \frac{1}{x}$ is equal to:

- A 2
- B 4

C 5

D 3

Answer: D

Question 148

If $x - \frac{1}{x} = 4$, then $x^3 - \frac{1}{x^3}$ is equal to:

A 64

B 76

C 68

D 72

Answer: B

Question 149

The value of $\frac{1}{3} \div \frac{5}{6} \times \frac{-5}{8}$ is equal to:

A $-\frac{1}{4}$

B 0

C 1

D $\frac{1}{4}$

Answer: A

Question 150

If $ab + bc + ca = 8$ and $a + b + c = 12$ then $(a^2 + b^2 + c^2)$ is equal to:

A 160

B 128

C 134

D 144

Answer: B

English

Instructions

For the following questions answer them individually

Question 151

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 sat down beside me and start to read his newspaper.

- A started to be reading
- B started read
- C started reading
- D No improvement.

Answer: C

Question 152

Select the wrongly spelt word.

- A explanation
- B expertise
- C experiment
- D explained

Answer: A

Question 153

Select the antonym of the given word.

GRIM

- A gloomy
- B harsh
- C severe
- D pleasant

Answer: D

Question 154

Identify the segment in the sentence, which contains the grammatical error.

He is not such a clever boy that you are.

- A such a
- B that you are
- C clever boy
- D He is not

Answer: B

Question 155

Select the synonym of the given word.

FILLIP

- A boost
- B blow
- C flip
- D knock

Answer: A

Question 156

Select the synonym of the given word.

TREAD

- A walk
- B climb
- C follow
- D run

Answer: A

Question 157

Select the wrongly spelt word.

- A installation
- B innocent
- C inflammable
- D insoluble

Answer: C

Question 158

Select the most appropriate meaning of the given idiom.

a lot on your plate

- A having something which causes envy
- B having many responsibilities
- C having a large meal
- D having wealth in abundance

Answer: B

Question 159

Select the most appropriate meaning of the given idiom.

A stone's throw

- A a short distance
- B a faraway place
- C an easy task
- D a memorable place

Answer: A

Question 160

Select the antonym of the given word.

DUBIOUS

- A doubtful
- B hesitant
- C certain
- D unconvinced

Answer: C

Question 161

Identify the segment in the sentence, which contains the grammatical error.

He is the same man which I saw yesterday at the gate.

- A He is
- B the same man
- C which I saw
- D at the gate

Answer: C

Question 162

Select the most appropriate word for the given group of words.

irrational fear of closed or confined places

- A kleptomania
- B hydrophobia
- C insomnia
- D claustrophobia

Answer: D

Question 163

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

The money collected by the students of this school was deposited in the Prime Minister's fund.

- A No improvement.
- B by the students of this schools
- C from the student from this school
- D by the students at this school

Answer: A

Question 164

Select the wrongly spelt word.

- A matchless
- B marshal
- C masculine
- D magnifisent

Answer: D

Question 165

Select the most appropriate word to fill in the blank.
We didn't buy the dining table because was too expensive.

- A it's
- B it
- C its
- D Its'

Answer: B

Question 166

Select the most appropriate word to fill in the blank.
It is difficult for him to all the comforts to his family in this small income.

- A provide
- B provided
- C providing
- D provides

Answer: A

Question 167

Select the most appropriate word for the given group of words.
A thing that motivates or encourages someone to do something

- A remuneration
- B salary
- C allowance
- D incentive

Answer: D

Question 168

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**.

Last week he promised that he would have come today, but he hasn't arrived yet.

- A No improvement.
- B that he will have come
- C that he will be coming
- D that he would come

Answer: D

Question 169

Select the synonym of the given word.
DAMSEL

- A maiden
- B bag
- C spinster
- D witch

Answer: A

Question 170

Select the most appropriate word to fill in the blank.
Everything happened quickly I felt dazed.

- A so; as
- B as; so
- C so; that

D as; as

Answer: C

Question 171

Select the most appropriate word for the given group of words.
an obsessive desire to set fire to things

- A hypomania
- B monomania
- C pyromania
- D insomnia

Answer: C

Question 172

Identify the segment in the sentence, which contains the grammatical error.
Unless you do not run fast. you cannot catch the bus.

- A you cannot
- B you do not
- C catch the bus.
- D run fast

Answer: B

Instructions

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Passage:

Mount Agung is a volcano on the popular tourist island of Bali in Indonesia. The volcano (1) in November 2017. More than 134,000 people were (2) to safe areas in advance. They (3) housed far away from the volcano. (4), some had refused to leave. These people did not (5) to leave their homes. They wanted to take care of their farms and animals.

Question 173

Select the most appropriate option to fill in blank No.1.

- A blasted
- B exploded
- C erupted
- D fired

Answer: C

Question 174

Select the most appropriate option to fill in blank No.2.

- A exited
- B abandoned
- C evacuated
- D left

Answer: C

Question 175

Select the most appropriate option to fill in blank No.3.

- A were
- B had
- C have
- D is

Answer: A

Question 176

Select the most appropriate option to fill in blank No.4.

- A Because
- B Moreover
- C Whether
- D However

Answer: D

Question 177

Select the most appropriate option to fill in blank No.5.

- A long
- B wish
- C desire
- D fancy

Answer: C

Instructions

For the following questions answer them individually

Question 178

Select the most appropriate word for the given group of words.
relating to speeds close to that of sound.

- A transformed
- B transparent
- C translucent
- D transonic

Answer: D

Instructions

Read the following passage and answer the questions given after it.

Passage:

Twenty five years ago, while travelling and teaching in Turkey, Nepal and Iran. Bonnie Bergin noticed self-sufficient disabled people going about their tun'emarkable daily business. often using donkeys to hold pots. pans and other wares to be sold. She later retru'ned to the United

States to begin work on a master's degree in special education.

"I thought hard about what can be done to get people out of institutions and onto the streets. getting jobs. and it came to me: dogs." says Bergin, who today has a doctorate in education and is the founder of the Assistance Dog Institute and originator of the servicedog concept.

She ran into fierce resistance from academics and professionals at first: Dogs spread disease. Dogs are stupid. The disabled can't take care of dogs, how could dogs take care of them? But the long list of negative reactions didn't stop her. Her first trainee was Abdul, a golden retriever puppy someone had given her.

Her first dog-assistance client was Keny Knaus. a soft-spoken 19-year-old woman who had a nem'omuscular disorder that had left her unable to move her legs and much of her arms. If Knaus accidentally fell forward in her wheelchair. she could not get 11p. She clearly lacked the physical force to train and maintain a dog. But Bergin was undeterred.

Bergin and Knaus concentrated not on physical gestures. but on verbal cues such as "sit" or "stay," using variations in tone of voice and facial expression to get Abdul to help Knaus.

By the end of his training. the dog could push Knaus up from her inchair falls. open doors, turn on lights, retrieve food and push levers to help her operate the chair lift to her van. Most important. Knaus developed a trusting emotional bond with Abdul simply by spending time with him. much in the way humans get to know one another and develop subtle. complex relationships based on mutual understanding.

Today, more than 150 programs provide similar services. and an estimated 3,500 service dogs are in place worldwide. Waiting lists for the dogs. who are worth around \$10,000 by the end of training. can be long--sometimes five years--because of the extensive breeding. training and bonding required.

Question 179

What inspired Bonnie Bergin to help disabled people become self-sufficient?

- A Her training in handling dogs and teaching them to help people
- B Her travels and teaching in foreign countries as part of her daily work
- C Her observation of disabled people who managed everyday chores using donkeys
- D Her Master's degrees in Special Education

Answer: C

Question 180

The academics and professionals tried to dissuade Bonnie from using dogs to help the disabled basically because they

- A believed that dogs spread diseases.

- B knew that the disabled couldn't take care of dogs.
- C were convinced that dogs could not help the disabled.
- D thought dogs were stupid animals.

Answer: C

Question 181

Which of the following approaches did Bonnie and Knaus NOT adopt to train Abdul to help Knaus?

- A variations in facial expressions
- B variations in tones of voice
- C physical gestures to direct the dog
- D verbal clues like 'sit' or 'stay'

Answer: C

Question 182

At the end of the training, which of the following was the most important help that Abdul could provide to Knaus?

- A he could push Knaus up from her in-chair falls
- B he could retrieve food
- C he could help her operate the chair lift to her van
- D he could open doors and turn on lights

Answer: A

Question 183

Which statement is NOT true according to the passage?

- A The service dogs cost about \$10,000 after the training.
- B Bonnie Bergin got her master's degree from Assistance Dog Institute.
- C Today, more than 150 programs provide similar services of trained dogs to disabled people.
- D Today about 3,500 service dogs are in place worldwide for helping the disabled.

Answer: B

Instructions

For the following questions answer them individually

Question 184

**Select the most appropriate word for the given group of words.
Something made impure by exposure to polluting substances**

- A contagious

- B contractual
- C contented
- D contaminated

Answer: D

Question 185

Select the most appropriate word to fill in the blank.
If I had money, I have helped him.

- A can
- B would
- C should
- D will

Answer: B

Question 186

Select the synonym of the given word.
PROFESS

- A admit
- B teach
- C lead
- D predict

Answer: A

Question 187

Select the most appropriate meaning of the given idiom.
a sea change

- A a fast change
- B a nominal change
- C a radical change
- D a slow change

Answer: C

Question 188

Select the wrongly spelt word.

- A laudable
- B liabel
- C lamentable
- D laughable

Answer: B

Question 189

Identify the segment in the sentence which contains the grammatical error.
Scarcely she had heard the news when she fainted.

- A Scarcely she had
- B she fainted.
- C heard the news
- D when

Answer: A

Question 190

Select the antonym of the given word.
ELABORATE

- A detailed
- B minimal
- C complicated
- D involved

Answer: B

Question 191

Select the antonym of the given word.
CONSTANT

- A varying
- B regular
- C perpetual
- D uninterrupted

Answer: A

Question 192

Select the most appropriate meanmg of the given rdrom.
A hot potato

- A an offensive remark
- B a memorable thing
- C a controversial issue
- D a tasty snack

Answer: C

Question 193

Select the most appropriate word to fill in the blank.

Last year there was an increase the number of road accidents on the Eastern Expressway.

- A to
- B with
- C in
- D at

Answer: C

Question 194

Select the wrongly spelt word.

- A luxurious
- B luminous
- C luggage
- D ludicrous

Answer: D

Question 195

Select the synonym of the given word.

DRAG

- A push
- B crack
- C lift
- D pull

Answer: D

Question 196

Select the antonym of the given word.

VISIONARY

- A pragmatic
- B creative
- C imaginative
- D futuristic

Answer: A

Question 197

Identify the segment in the sentence which contains the grammatical error.
Where have you been from such a long time?

- A from
- B Where
- C have you been
- D such a long time?

Answer: A

Question 198

Select the most appropriate meaning of the given idiom.
a safe pair of hands

- A a reliable person
- B a person who does many jobs
- C a happy person
- D a person who guards someone

Answer: A

Question 199

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**.

Can you go and ask from the cook if the tea is ready?

- A ask from the cook when the tea
- B ask of the cook if the tea
- C No improvement
- D ask the cook if the tea

Answer: D

Question 200

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.

I think all our furniture needing to be polished.

- A need to polish.
- B No improvement.
- C are needing to be polished.
- D needs to be polished.

Answer: D



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