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# **ICAR Assistant**

**Previous Year Paper  
29 July 2022 Shift 3  
(English)**



Test Date	29/07/2022
Test Time	3:00 PM - 4:00 PM
Subject	Assistant

Section : General Intelligence and Reasoning

**Q.1** If the letters given below are arranged from left to right in ascending order of their position in the alphabet series, then what meaningful word, from the given options, can be formed using from left, the 2nd, 5th, 8th, 11th, 12th and 16th letters? All the letters must be used and each letter should be used only once.

MUBYIJRLDOPCZQNHK

Ans  1. PUBLIC  
 2. CLUMPY  
 3. CLOUDY  
 4. POLICY

Question ID : 1841224112

Status : Answered

Chosen Option : 4

**Q.2** Select the number from among the given options that can replace the question mark (?) in the following series.

18, 32, 59, 99, ?, 218

Ans  1. 150  
 2. 128  
 3. 152  
 4. 112

Question ID : 1841224106

Status : Not Answered

Chosen Option : --



**Q.3** Nine gift boxes labelled as Almonds, Cashews, Chocolates, Macrons, Cookies, Pistachios, Raisins, Ladoos and Walnuts are stacked on top of each other but not necessarily in the same order. Macrons box is immediately below Chocolates box which is three places above Cookies box. Cashews box is at one end of the stack. Only Ladoos box is between Pistachios and Raisins boxes. Pistachio box is three places below Cashews box. Almond box is immediately below Pistachio box. Which box is at the centre of the stack?

Ans  1. Almonds  
 2. Macrons  
 3. Pistachios  
 4. Chocolates

Question ID : 1841224109

Status : Not Answered

Chosen Option : --

**Q.4** The following are the criteria for selection of IT executives for a start-up enterprise.

The candidates must:

(a) have a BCA degree with minimum 65% marks.  
 (b) have secured at least 65% marks in the Selection test.  
 (c) not be less than 21 years of age as on 1 October 2022.

In case of a candidate who satisfies all the above criteria except:

(i) at (a), but has secured more than 75% marks in the selection test, his/her case is to be kept for later consideration.  
 (ii) at (c), but has some experience in IT field, his/her case is to be referred to the Managing Director.

Kavita Sharma has a BCA degree with 60% marks. She is born on 10th March 2001. She secured 86% marks in the selection test. What decision would be taken in her case?

Ans  1. She would not be selected.  
 2. Her case is to be referred to the Director, Operations.  
 3. Her case is to be kept for later consideration.  
 4. She would be selected.

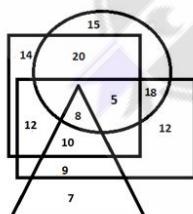
Question ID : 1841224117

Status : Answered

Chosen Option : 3

**Q.5** A survey collected data from 130 under-30 years employees of ABC corporation regarding types of entertainment they most like to watch.

The following Venn diagram rectangle shows under-30 years employees who like to watch 'stand-up comedy shows', triangle shows students who like to watch 'plays', circle shows under-30 years employees who like to watch 'movies' and square shows under-30 years employees who like to watch 'concerts'.



What is the approximate percentage of under-30 years employees who like to watch both movies and stand-up comedy shows?

Ans  1. 10%  
 2. 4%  
 3. 17.7%  
 4. 24%

Question ID : 1841224120

Status : Answered

Chosen Option : 4

**Q.6** Which two signs and two numbers should be interchanged to make the following equation correct?

$$9 \div 3 + 6 - 18 \times 2 = 26$$

Ans  1.  $\div$  and  $\times$ ; 2 and 6  
 2.  $\div$  and  $\times$ ; 3 and 6  
 3.  $\times$  and  $-$ ; 3 and 6  
 4.  $\times$  and  $-$ ; 2 and 6

Question ID : 1841224111

Status : Not Answered

Chosen Option : --

**Q.7** Some of the women are sisters, and some are lawyers. Which of the following diagrams correctly reflects the situation?

Ans

1.   
 2.   
 3.   
 4. 

Question ID : 1841224119

Status : Answered

Chosen Option : 4

**Q.8** Serena starts from the court after her tennis match in Delhi and drives 2 km towards north and then she turns to the right and drives 24 km. Then, she turns to the left and drives 6 km, after this she again turns to the left and drives 30 km and reaches her town. What is the shortest distance between her town and the tennis court in Delhi and in which direction is her town from the tennis court?

Ans  1. 6 m; North-west  
 2. 6 m; South-west  
 3. 10 m; North-west  
 4. 10 m; South-east

Question ID : 1841224116

Status : Answered

Chosen Option : 4



**Q.9** Select the figure from the options that can replace the question mark (?) and complete the given pattern. (No rotation allowed)



**Ans**

✓ 1.

✗ 2.

✗ 3.

✗ 4.

Question ID : 1841224124

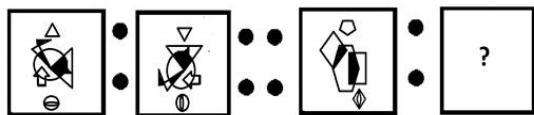
Status : Answered

Chosen Option : 1

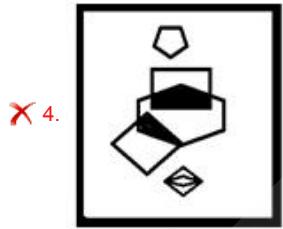
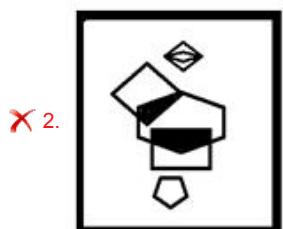
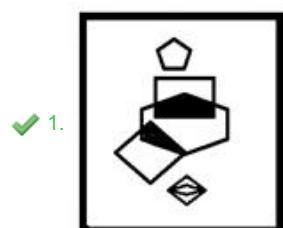


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**Q.10** Select the figure that is related to third figure in the same way as the second figure is related to the first figure.



**Ans**



Question ID : 1841224103

Status : Answered

Chosen Option : 1

**Q.11** Select the correct combination of mathematical signs that can sequentially replace the \* signs and balance the following equation.

$$(7 * 4) * 25 * 5 * 33$$

**Ans** ✗ 1. +, ÷, ×, =

✗ 2. ÷, +, ×, =

✓ 3. ×, +, ÷, =

✗ 4. −, ÷, +, =

Question ID : 1841224110

Status : Answered

Chosen Option : 3



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**Q.12** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow from the statements.

**Statements:**

- 1. Some pansies are carnations.
- 2. All carnations are roses.
- 3. All roses are sunflowers.

**Conclusions:**

- I. All pansies are sunflowers.
- II. All carnations are sunflowers.
- III. Some roses are carnations.
- IV. Some sunflowers are pansies.

**Ans**  1. Only conclusions I, III and IV follow  
 2. All the conclusions follow  
 3. Only conclusions I, II and III follow  
 4. Only conclusions II, III and IV follow

Question ID : 1841224118

Status : **Answered**

Chosen Option : 4

**Q.13** In a certain code language, 'CHIEF' is written as 'NLTRH'. How will 'BAKED' be written in that language?

**Ans**  1. JLXDF  
 2. JLDXF  
 3. FDXLJ  
 4. HJVBD

Question ID : 1841224114

Status : **Not Answered**

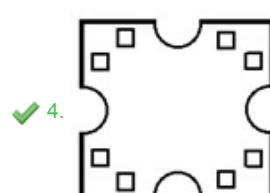
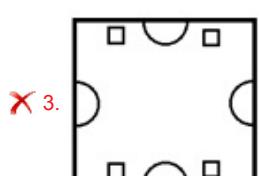
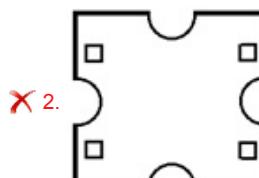
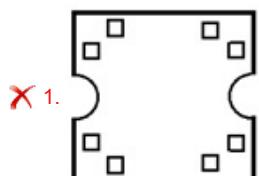
Chosen Option : --



**Q.14** The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



**Ans**



Question ID : 1841224125

Status : Answered

Chosen Option : 4

**Q.15** In a certain code language, 'Vitamins are healthy' is coded as '.\* # \$', 'Food is healthy' is coded as '@ # δ', and 'Sportsmen and healthy' is coded as '# + β'. 'Sportsmen like Vitamins' is coded as 'x + \$' and 'Supplements and Vitamins' is coded as 'β \$ &'. How would 'Sportsmen like supplements' be coded in that language?

**Ans** **✗ 1.** & β δ

**✗ 2.** \$ x &

**✗ 3.** @ x #

**✓ 4.** + x &

Question ID : 1841224113

Status : Answered

Chosen Option : 4



**Q.16** Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

232 : 152 :: 435 : ? :: 319 : 209

Ans  1. 245

2. 192

3. 285

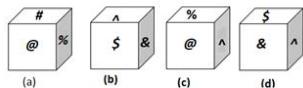
4. 425

Question ID : 1841224102

Status : Not Answered

Chosen Option : --

**Q.17** Four different positions of the same dice are shown. Select the number that will be on the bottom face when the dice is in the position as shown in figure (b).



Ans  1. #

2. &

3. @

4. %

Question ID : 1841224123

Status : Answered

Chosen Option : 1

**Q.18** Given is an address, which has been reproduced in the four alternatives. Of these, only one exactly matches the given address, whereas the others have some mistakes. Select the option that is exactly the same as the given one.

XYZ Café,  
1/21, Gandhi Maidan Road, Muradpur, Patna, Bihar 800001, India

Ans  1. XYZ Café,  
1/21, Gandhi Maidan Road, Muradpur Patna, Bihar 800001, India

2. XYZ Café  
1/21, Gandhi Maidan Road, Muradpur, Patna, Bihar 800001 India

3. XYZ Café  
1/21, Gandhi Maidan Road, Muradpur, Patna, Bihar 800001, India

4. XYZ Café,  
1/21 Gandhi Maidan Road, Muradpur, Patna, Bihar 800001, India

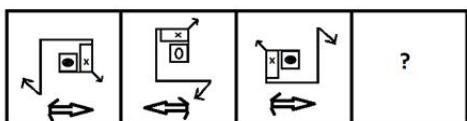
Question ID : 1841224115

Status : Answered

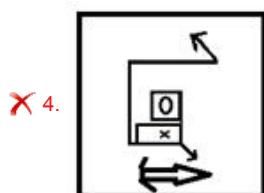
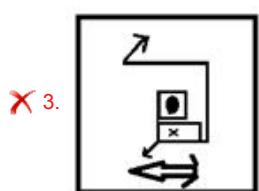
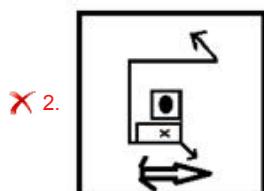
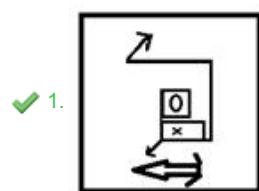
Chosen Option : 3



**Q.19** Select the figure from among the given options that can replace the question mark (?) in the following series.



**Ans**

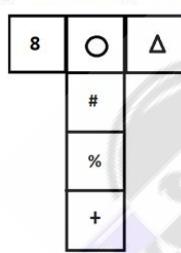


Question ID : 1841224107

Status : Answered

Chosen Option : 1

**Q.20** A cube is constructed by folding the given sheet along the lines shown. In the cube so formed, what would be the pattern on the opposite side of '%'?



**Ans**



Question ID : 1841224122

Status : Answered

Chosen Option : 1



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**Q.21** Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(30, 10, 24)  
(520, 350, 504)

Ans  1. (72, 130, 64)  
 2. (120, 24, 38)  
 3. (350, 262, 338)  
 4. (738, 520, 720)

Question ID : 1841224105

Status : Not Answered

Chosen Option : --

**Q.22** Eight friends - Deepinder, Firoz, Himesh, John, Kiara, Megan, Naseem and Vivaan - are sitting around a square table in such a way that the four who are sitting at the corner are facing inside and the four who are sitting at the middle of each side of the table are facing outside. Kiara sits third to the right of Deepinder. John is third to the left of Megan. Deepinder faces towards outside. Megan does not sit at the side of the table. Only one person sits between Deepinder and John. Vivaan is not an immediate neighbour of Kiara. Firoz sits second to the left of Kiara. Naseem sits to immediate right of Deepinder.

Who is sitting between John and Himesh and in which direction is this person facing?

Ans  1. Kiara; Inside  
 2. Firoz; Inside  
 3. Naseem; Outside  
 4. Kiara; Outside

Question ID : 1841224108

Status : Not Answered

Chosen Option : --

**Q.23** Four word-pairs have been given, out of which three are alike in some manner and one is different. Select the one that is different.

Ans  1. Loudspeaker : Amplify  
 2. Knife : Cut  
 3. Telescope : Stars  
 4. Microscope : Magnify

Question ID : 1841224104

Status : Answered

Chosen Option : 3

**Q.24** 'Modest' is related to 'Arrogant' in the same way as 'Diffident' is related to '\_\_\_\_\_ '.

Ans  1. Humble  
 2. Confident  
 3. Reluctant  
 4. Suspicious

Question ID : 1841224101

Status : Not Answered

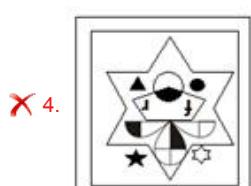
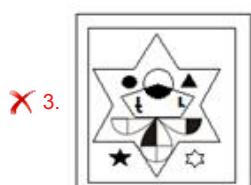
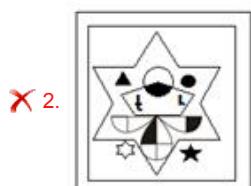
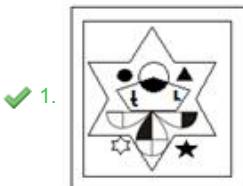
Chosen Option : --



Q.25 Select the correct water image of the given figure.



Ans



Question ID : 1841224121

Status : Answered

Chosen Option : 1

Section : General Awareness

Q.1 As per Article 243-I of the Constitution of India, a Finance Commission is constituted to review the financial position of the Panchayats at the expiration of every:

Ans

- ✓ 1. fifth year
- ✗ 2. tenth year
- ✗ 3. fourth year
- ✗ 4. seventh year

Question ID : 1841224139

Status : Not Answered

Chosen Option : --



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**Q.2** With reference to important discoveries which revolutionized the course of human civilization, who among the following discovered the chemical process 'fermentation'?

Ans  1. Oswald Avery  
 2. Gregor Mendel  
 3. Louis Pasteur  
 4. James Watson

Question ID : 1841224137

Status : Answered

Chosen Option : 3

**Q.3** On which river is the Tehri dam constructed?

Ans  1. Ganga  
 2. Yamuna  
 3. Gola  
 4. Bhagirathi

Question ID : 1841224135

Status : Marked For Review

Chosen Option : 1

**Q.4** With reference to Indian Independence movement, after the failure of the Cabinet Mission, the Muslim League announced 16 August 1946 as:

Ans  1. Pakistan Foundation Day  
 2. Direct Action Day  
 3. Indian Subcontinent's Muslim Solidarity Day  
 4. Fast Unto Death Day

Question ID : 1841224142

Status : Answered

Chosen Option : 3

**Q.5** With which dance form was the famous classical dancer Guru Vempati Chinna Satyam associated?

Ans  1. Bharatnatyam  
 2. Kuchipudi  
 3. Kathak  
 4. Kathakali

Question ID : 1841224132

Status : Answered

Chosen Option : 1

**Q.6** Which of the following states/ union territories has decided to replace the word 'Harijan' with 'Dr. Ambedkar' in the names of streets and colonies?

Ans  1. West Bengal  
 2. Maharashtra  
 3. Chandigarh  
 4. Delhi

Question ID : 1841224128

Status : Not Answered

Chosen Option : --



Q.7 Avani Lekhara broke her own world record to win gold medal in the women's 10m. air rifle category at the Para Shooting World Cup held in which of the following countries?

Ans  1. Sweden  
 2. Italy  
 3. France  
 4. Germany

Question ID : 1841224141

Status : Not Answered

Chosen Option : --

Q.8 Parliament may, by law, provide for the adjudication or trial of disputes and complaints with respect to recruitment and conditions of service of persons appointed to public services and posts in connection with the affairs of the Union or of any State, etc. by:

Ans  1. Special committee drawn from Lok Sabha and State Legislatures  
 2. Sessions Court  
 3. Administrative tribunals  
 4. Executive Court

Question ID : 1841224148

Status : Not Answered

Chosen Option : --

Q.9 The sun is at the center of the solar system and is its largest object, accounting for approximately \_\_\_\_\_ of the solar system's mass.

Ans  1. 89.8%  
 2. 49.8%  
 3. 79.8%  
 4. 99.8%

Question ID : 1841224136

Status : Not Answered

Chosen Option : --

Q.10 As of 15th June 2022, as per Reserve Bank of India declared rates, Standing Deposit Facility Rate in India is \_\_\_\_\_.

Ans  1. 5.65 %  
 2. 4.65 %  
 3. 3.65 %  
 4. 6.65 %

Question ID : 1841224133

Status : Answered

Chosen Option : 2

Q.11 As per the mandate of The All-India Services Act, 1951, which among the following can be constituted as an All-India Service by the Central Government?

Ans  1. The All-India Language Service  
 2. The Indian Management Service  
 3. The Indian Medical and Health Service  
 4. The All-India Legislative Service

Question ID : 1841224140

Status : Not Answered

Chosen Option : --



Q.12 In which state is the Tawang Buddhist Monastery situated?

Ans  1. Sikkim  
 2. Arunachal Pradesh  
 3. Himachal Pradesh  
 4. Uttarakhand

Question ID : 1841224143

Status : Answered

Chosen Option : 2

Q.13 How many Varnas are there in Classical Hindustani Music?

Ans  1. Six  
 2. Five  
 3. Three  
 4. Four

Question ID : 1841224145

Status : Answered

Chosen Option : 1

Q.14 In which state of India is the Harappan site of Banawali situated?

Ans  1. Maharashtra  
 2. Rajasthan  
 3. Haryana  
 4. Gujarat

Question ID : 1841224131

Status : Not Answered

Chosen Option : --

Q.15 Which of the following dances was earlier known as Sadir Attam?

Ans  1. Bharatnatyam  
 2. Kuchipudi  
 3. Mohiniyattam  
 4. Kathakali

Question ID : 1841224144

Status : Answered

Chosen Option : 2

Q.16 Researchers at which of the following IITs have developed a state-of-art solution for telecommunication – a cooperative spectrum sensor which enhances the reusability of the radiofrequency spectrum, which will help improve data communication for future wireless communication applications?

Ans  1. IIT Indore  
 2. IIT Bhubaneswar  
 3. IIT Jodhpur  
 4. IIT Mandi

Question ID : 1841224126

Status : Not Answered

Chosen Option : --



Q.17 What is the amount of increase in the minimum support price (MSP) of paddy announced by the government of India for the 2022-23 Kharif season?

Ans  1. Rs. 100 per quintal  
 2. Rs. 90 per quintal  
 3. Rs. 80 per quintal  
 4. Rs. 70 per quintal

Question ID : 1841224129

Status : Not Answered

Chosen Option : --

Q.18 Which of the following is the causative microorganism for Athletes' foot?

Ans  1. Bacteria  
 2. Protozoa  
 3. Fungi  
 4. Virus

Question ID : 1841224138

Status : Answered

Chosen Option : 3

Q.19 As per All India Religion Census Data 2011, approximately how many percent of Indian population practices Hinduism?

Ans  1. 74.80 %  
 2. 79.80 %  
 3. 85.80 %  
 4. 89.80 %

Question ID : 1841224147

Status : Answered

Chosen Option : 1

Q.20 Which of the following articles of the Constitution of India confers the President of India the power to promulgate Ordinances?

Ans  1. Article 113  
 2. Article 124  
 3. Article 114  
 4. Article 123

Question ID : 1841224150

Status : Not Answered

Chosen Option : --

Q.21 With reference to Socio and Religious Reform Movements in India, Raja Rammohan Roy formed the Brahmo Samaj in:

Ans  1. 1828  
 2. 1816  
 3. 1836  
 4. 1848

Question ID : 1841224130

Status : Answered

Chosen Option : 3



Q.22 Who among the following has been conferred with a Padmashri Award 2022 in the field of Science and Engineering?

Ans  1. Subimal Ghosh  
 2. Abhijit Mukherjee  
 3. Subbanna Ayyappan  
 4. T. Govindaraju

Question ID : 1841224127

Status : Not Answered

Chosen Option : --

Q.23 The Census 2011 was the \_\_\_\_\_ National census survey conducted by the Census Organization of India.

Ans  1. 16th  
 2. 11th  
 3. 9th  
 4. 15th

Question ID : 1841224134

Status : Not Answered

Chosen Option : --

Q.24 Due to Mercury's very eccentric orbit and alignment with the Sun, the length of time from sunrise to sunrise, known as a 'solar day', is equal to:

Ans  1. 7.6 Earth days  
 2. 17 Earth days  
 3. 176 Earth days  
 4. 7.6 Earth days

Question ID : 1841224149

Status : Not Answered

Chosen Option : --

Q.25 As per RBI Governor's Statement dated May 04, 2022, the Cash Reserve Ratio (CRR) of all banks has been increased by 50 basis points from \_\_\_\_\_ of their Net Demand and Time Liabilities (NDTL).

Ans  1. 4.00 % to 4.50 %  
 2. 3.00 % to 3.50 %  
 3. 3.50 % to 4.00 %  
 4. 4.50 % to 5.00 %

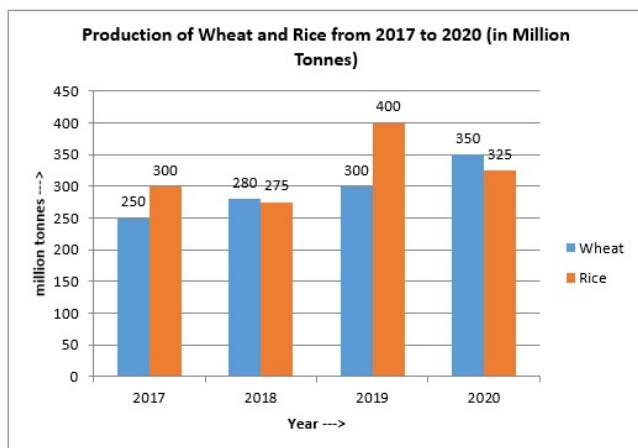
Question ID : 1841224146

Status : Answered

Chosen Option : 1

Section : Quantitative Aptitude

**Q.1** Study the following graph and answer the question that follows.



In 2021, the production of wheat increased over 2020 by the same percentage as that in 2020 over 2018 and the production of rice increased by 30% over 2020. The difference (in million tonnes) between the productions of wheat and rice in 2021 was:

Ans  1. 18.5  
 2. 15  
 3. 18  
 4. 16.5

Question ID : 1841224168

Status : Answered

Chosen Option : 2

**Q.2** 8 men and 3 women can do a piece of work in 7 days, whereas 10 men and 2 women can do it in 6 days. How many men should assist 5 women to do the same work in  $10\frac{1}{2}$  days?

Ans  1. 5  
 2. 3  
 3. 6  
 4. 4

Question ID : 1841224165

Status : Answered

Chosen Option : 4

**Q.3** A dealer marks an article 60% above its cost price and sells it by offering two successive discounts of 20% and 15% on its marked price. If he gains Rs. 264 by selling the article, then the cost price of the article is:

Ans  1. Rs. 3,000  
 2. Rs. 2,800  
 3. Rs. 3,200  
 4. Rs. 2,500

Question ID : 1841224158

Status : Answered

Chosen Option : 1

Q.4 A can do a certain work in 18 days. B is 25% less efficient than A. A alone worked for a few days and then, B joined him. Both worked together till the completion of the work. The entire work got completed in 12 days. For how many days did A and B work together?

Ans  1. 6  
 2. 4  
 3. 9  
 4. 8

Question ID : 1841224166

Status : Answered

Chosen Option : 1

Q.5 In a school, the number of boys is 20% less than that of girls. 40% of the boys and 28% of the girls attend a social camp. The number of boys in the school is what percentage less than the total number of boys and girls who do NOT attend the social camp?

Ans  1.  $33\frac{1}{3}\%$   
 2.  $35\frac{2}{3}\%$   
 3. 25%  
 4. 35%

Question ID : 1841224156

Status : Not Answered

Chosen Option : --

Q.6 If 1 is added to the numerator and 5 is added to the denominator of a fraction, it becomes  $\frac{1}{3}$ . If 2 is subtracted from the numerator and 2 is added to the denominator of the original fraction, it becomes  $\frac{1}{5}$ . What is the sum of the numerator and the denominator of the original fraction?

Ans  1. 19  
 2. 17  
 3. 15  
 4. 18

Question ID : 1841224171

Status : Answered

Chosen Option : 4

Q.7 The compound interest on a sum of Rs. 12,000 at a rate of  $x\%$  p.a. for  $1\frac{1}{2}$  years is Rs. 3,840, compounded yearly. What will be the compound interest on the same sum at the same rate and for the same period if the interest is compounded half-yearly?

Ans  1. Rs. 3,972  
 2. Rs. 3,876  
 3. Rs. 3,944  
 4. Rs. 3,846

Question ID : 1841224161

Status : Not Answered

Chosen Option : --



**Q.8** The length of Train A is  $\frac{4}{5}$  of the length of Train B. The speeds of A and B are 63 km/h and 45 km/h, respectively. Trains A and B take 15 seconds to cross each other completely when running in opposite directions. How much time (in seconds) will Train C of length 160 m, running at a speed of 90 km/h, take to cross Train A when both the trains are running in the same direction?

Ans  1. 42  
 2. 50  
 3. 45  
 4. 48

Question ID : 1841224163

Status : Answered

Chosen Option : 4

**Q.9** When 2066, 8917 and 17978 are divided by the greatest number 'p', the remainder in each case is 'q'. What is the value of  $\sqrt{p - q}$ ?

Ans  1. 15  
 2. 11  
 3. 12  
 4. 13

Question ID : 1841224152

Status : Not Answered

Chosen Option : --

**Q.10** The cost of a sofa set is 225% more than the cost of a table. If the cost of the sofa set is decreased by 34% and that of the table is increased by 25%, then what is the percentage increase/decrease in the cost of 2 sofa sets and 3 tables as compared to their initial cost? (Correct to one decimal place)

Ans  1. Decrease, 18.2%  
 2. Increase, 16.4%  
 3. Increase, 18.2%  
 4. Decrease, 15.4%

Question ID : 1841224155

Status : Not Answered

Chosen Option : --

**Q.11** The savings of Radha are equal to 28% of her expenditure. If her income decreases by 5% and her expenditure increases by 2%, then her savings decrease by:

Ans  1. 18%  
 2. 30%  
 3. 8.4%  
 4. 3%

Question ID : 1841224157

Status : Not Answered

Chosen Option : --



**Q.12** In trapezium ABCD,  $AB \parallel DC$ ,  $AB = 9$  cm,  $DC = 15$  cm and the distance between AB and DC is 4 cm. F and G are the mid-points of AD and BC, respectively. DA and CB are produced to meet at point E. What is the area (in  $cm^2$ ) of  $\triangle EFG$ ?

Ans  1. 45  
 2. 40  
 3. 48  
 4. 36

Question ID : 1841224173

Status : Answered

Chosen Option : 3

**Q.13** A car travels at a speed of 50 km/h for  $2\frac{1}{2}$  hours, at a speed of 45 km/h for  $3\frac{2}{5}$  hours and at a speed of 30 km/h for  $4\frac{1}{10}$  hours. What is the average speed (in km/h) of the car for the entire journey?

Ans  1. 40.1  
 2. 39.1  
 3. 41.9  
 4. 39.9

Question ID : 1841224153

Status : Not Answered

Chosen Option : --

**Q.14** The cost price of Article A is Rs. 550 more than that of B. B is sold at a loss of 20% and A is sold for Rs. 2,560. If there is a profit of 20% in the entire transaction, then what is the profit earned by selling Article A?

Ans  1. Rs. 850  
 2. Rs. 880  
 3. Rs. 842.50  
 4. Rs. 822.50

Question ID : 1841224175

Status : Not Answered

Chosen Option : --



**Q.15** Study the following table and answer the question that follows.

Percentage of Marks Obtained by 4 Students in Five Subjects A, B, C, D and E

subject Students	A (out of 75)	B (out of 80)	C (out of 100)	D (out of 50)	E (out of 150)
Lata	80	55	68	66	84
Rekha	68	85	86	72	92
Anuja	60	70	73	100	78
Swati	64	65	80	96	80

The total marks obtained by Swati in subjects A, B and C are what percentage less than the total marks obtained by Lata (in subjects B and C), by Rekha (in subject E) and by Anuja (in subject D)?

**Ans**

1.  $66\frac{2}{3}\%$

2.  $33\frac{1}{3}\%$

3. 45%

4. 40%

Question ID : 1841224167

Status : Not Answered

Chosen Option : --

**Q.16** A shopkeeper sells an item for Rs. 643.80 after offering a discount of 26% on its list price. Had he not offered the discount, he would have earned a profit of 16% on the cost price of the item. The cost price (in Rs.) of the item is:

**Ans**  1. 720

2. 750

3. 780

4. 700

Question ID : 1841224159

Status : Not Answered

Chosen Option : --

**Q.17** A boat can go 2.4 km upstream in 16 minutes. The ratio of the speed of the boat in still water to the speed of the stream is 8 : 3. How much time (in hours) will the boat take to go 21.6 km in still water and 33 km downstream?

**Ans**

1.  $\frac{5}{2}$

2.  $\frac{19}{6}$

3.  $\frac{17}{6}$

4. 3

Question ID : 1841224164

Status : Not Answered

Chosen Option : --



**Q.18** A man pays back a sum of Rs. 32,445 in three, equal, half-yearly instalments. If the rate of interest is  $13\frac{1}{3}\%$  p.a., compounded half-yearly, then the total interest paid is:

Ans  1. Rs. 4,388  
 2. Rs. 4,440  
 3. Rs. 4,428  
 4. Rs. 4,419

Question ID : 1841224162

Status : Not Answered

Chosen Option : --

**Q.19** The angle of elevation ‘ $\theta$ ’ of the top of a tower at a point on the ground is such that  $\cos \theta = \frac{12}{13}$ . When the point is moved 288 m towards the tower, the angle of elevation becomes ‘ $\phi$ ’ in such a way that  $\sin \phi = \frac{3}{5}$ . The height (in m) of the tower is:

Ans  1. 275  
 2. 270  
 3. 240  
 4. 248

Question ID : 1841224174

Status : Answered

Chosen Option : 3

**Q.20** A circus tent is in the form of a right circular cylinder with a right circular cone above it. The diameter and the height of the cylindrical part of the tent are 120 m and 7 m, respectively. The total height of the tent is 18 m. What is the surface area (in  $m^2$ ) of the tent?

Ans  1.  $4200 \pi$   
 2.  $4400 \pi$   
 3.  $4800 \pi$   
 4.  $4500 \pi$

Question ID : 1841224172

Status : Not Answered

Chosen Option : --

**Q.21** If  $(9x - 7)^3 + 8(5 - x)^3 - 27(4x + 11)^3 = 18(7 - 9x)(5 - x)(4x + 11)$ , then the value of  $\frac{x^4 + x^2 + 1}{x^2 - x + 1}$  is:

Ans  1. 33  
 2. 30  
 3. 31  
 4. 27

Question ID : 1841224169

Status : Not Answered

Chosen Option : --



**Q.22** If  $x = \alpha$  and  $y = \beta$  satisfy the pair of equations  $\frac{15}{x} + \frac{2}{y} = 17$ ,  $\frac{1}{x} + \frac{1}{y} = \frac{36}{5}$ , then which of the following equations are also satisfied by  $x = \alpha$  and  $y = \beta$  also satisfy which of the following equations?

Ans  1.  $3x + 7y = 21$   
 2.  $2x - 7y = 9$   
 3.  $2x + 7y = 9$   
 4.  $3x - 7y = 2$

Question ID : 1841224170

Status : Not Answered

Chosen Option : --

**Q.23** Solution A contains liquids X, Y and Z in the ratio 2 : 3 : 4; solution B contains liquids X and Y in the ratio 5 : 7, while solution C contains liquids Y and Z in the ratio 5 : 4. Three litres of A, 2 litres of B and 5 litres of C are mixed to form a new solution. What is the percentage of liquid Y in the new solution? (Correct to one decimal place)

Ans  1. 45%  
 2. 49.4%  
 3. 48.5%  
 4. 34.8%

Question ID : 1841224154

Status : Not Answered

Chosen Option : --

**Q.24** Simplify the following expression. 
$$\frac{[(0.99)^2 - (0.01)^2] \times 0.45}{[(0.99)^2 + (0.01)^2 + 0.0099] \times 0.49} :$$

Ans  1. 0.5  
 2. 0.4  
 3. 0.7  
 4. 0.9

Question ID : 1841224151

Status : Not Answered

Chosen Option : --

**Q.25** When ' $x$ ' is subtracted from each of the numbers 58, 75, 79 and 103, then the resulting numbers, in the given order, are in proportion. What is the mean proportional between  $(x + 2)$  and  $(3x - 5)$ ?

Ans  1. 12  
 2. 15  
 3. 18  
 4. 10

Question ID : 1841224160

Status : Not Answered

Chosen Option : --

Section : English Comprehension



**Q.1 Select the most appropriate option to fill in the blank.**

Somebody \_\_\_\_\_ the custom authorities about the drugs. That is why the smugglers could be caught.

Ans  1. has already tipped  
 2. has already been tipped  
 3. will have already tipped  
 4. had already tipped

Question ID : 1841224183

Status : Answered

Chosen Option : 1

**Q.2 Select the most appropriate option to substitute the underlined word in the given sentence. If there is no need to substitute it, select 'no substitution required'.**

The most we thought about, the more we got puzzled.

Ans  1. no substitution required  
 2. more  
 3. Least  
 4. extra

Question ID : 1841224189

Status : Answered

Chosen Option : 2

**Q.3 Select the correct active form of the given sentence.**

Let the children be picked up from the bus stop at 1 o'clock.

Ans  1. We can pick up the children from the bus stop at 1 o'clock.  
 2. Pick up the children from the bus stop at 1 o'clock.  
 3. You could pick up the children from the bus stop at 1 o'clock.  
 4. Ask them to pick up the children from the bus stop at 1 o'clock.

Question ID : 1841224186

Status : Answered

Chosen Option : 2

**Q.4 Select the most appropriate option to fill in the blank.**

I am not very \_\_\_\_\_ about basketball but skating is \_\_\_\_\_.

Ans  1. excited; exciting  
 2. exciting; excited  
 3. exciting; exciting  
 4. excited; excited

Question ID : 1841224176

Status : Answered

Chosen Option : 1



**Q.5 Select the most appropriate direct form of the given sentence.**

She exclaimed that she looked very ugly in that dress.

Ans  1. She said, "Look, I look so ugly in that dress!"  
 2. She said, "How ugly I look in that dress!."  
 3. She said, "How ugly I look in this dress!."  
 4. She said, "Why do I look so ugly in this dress.?"

Question ID : 1841224181

Status : Answered

Chosen Option : 3

**Q.6 Select the most appropriate option to substitute the underlined word in the given sentence. If there is no need to substitute it, select 'no substitution required'.**

When I was watering my plants, they started raining.

Ans  1. it  
 2. no substitution required  
 3. this  
 4. that

Question ID : 1841224190

Status : Answered

Chosen Option : 1

**Q.7 Select the most appropriate option to fill in the blank.**

None of the parents seemed to be \_\_\_\_\_ happy with the new proposal of a match for their daughter.

Ans  1. some  
 2. quite  
 3. few  
 4. many

Question ID : 1841224177

Status : Answered

Chosen Option : 2

**Q.8 Select the most appropriate synonym of the word given in the brackets to fill in the blank.**

Father had to always admonish Avika for her \_\_\_\_\_ (Uncouth) ways of eating.

Ans  1. courteous  
 2. refined  
 3. graceless  
 4. polished

Question ID : 1841224193

Status : Answered

Chosen Option : 3



**Q.9 Select the option that expresses the given sentence in passive voice.**

Everybody was surprised about her failure to get admission in an Engineering College.

Ans  1. Her failure to get admission in an Engineering College will surprise everybody.  
 2. Her failure to get admission in an Engineering College has been surprising to everybody.  
 3. Her failure to get admission in an Engineering College has surprised everybody.  
 4. Her failure to get admission in an Engineering College surprised everybody.

Question ID : 1841224185

Status : Answered

Chosen Option : 4

**Q.10 Select the most appropriate meaning of the given idiom.**

Spill the beans

Ans  1. spoil the food  
 2. disclose a secret  
 3. prepare a tasty dish  
 4. make a place untidy

Question ID : 1841224191

Status : Answered

Chosen Option : 2

**Q.11 Select the most appropriate ANTONYM of the word given in the brackets to fill in the blank.**

He \_\_\_\_\_ (Manifested) his emotions so cleverly that nobody could ever guess what he was thinking.

Ans  1. concealed  
 2. disproved  
 3. confirmed  
 4. contradicted

Question ID : 1841224192

Status : Answered

Chosen Option : 1

**Q.12 The following sentence has been divided into parts. One of them may contain a spelling error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.**

James, disguised as a ragged beggar, / traversed these regions / preaching and teaching the natives.

Ans  1. No error  
 2. traversed these regions  
 3. James, disguised as a ragged beggar,  
 4. preaching and teaching the natives.

Question ID : 1841224194

Status : Answered

Chosen Option : 2



Q.13 Fill in the blank with the most appropriate phrase.

The problems involved are highly technical and I won't \_\_\_\_\_ them right now.

Ans  1. go down  
 2. go into  
 3. go in  
 4. go for

Question ID : 1841224179

Status : Answered

Chosen Option : 2

Q.14 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

A. Most of the time these thoughts are filled with worry.  
B. As we go about our daily lives, we are also filled with thoughts of the past and future.  
C. We need to spring clean and throw out all worries and make each moment a fresh opportunity to experience happiness around us.  
D. These thoughts revolve around. What we have done and what we want to do.

Ans  1. BACD  
 2. BDAC  
 3. CDAB  
 4. ADBC

Question ID : 1841224187

Status : Answered

Chosen Option : 2

Q.15 Select the most appropriate option to substitute the underlined word in the given sentence. If there is no need to substitute it, select 'no substitution required'.

The movie was so emotional as everybody in the audience had tears in eyes.

Ans  1. that  
 2. no substitution required  
 3. then  
 4. when

Question ID : 1841224188

Status : Answered

Chosen Option : 1

Q.16 Select the most appropriate option to fill in the blank.

We hope that our advocate \_\_\_\_\_ the case effectively tomorrow.

Ans  1. has argued  
 2. is arguing  
 3. argues  
 4. will have argued

Question ID : 1841224184

Status : Answered

Chosen Option : 3



**Q.17 Select the most appropriate option to fill in the blank.**

Why \_\_\_\_\_ this editor always make such rude remarks? Our writers get offended.

Ans  1. has

2. did

3. does

4. do

Question ID : 1841224182

Status : Answered

Chosen Option : 3

**Q.18 The following sentence has been divided into parts. One of them may contain a spelling error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.**

The Metrological Department predicted/ that there are going to be/ more earthquakes in the coming months.

Ans  1. that there are going to be

2. more earthquakes in the coming months.

3. No error

4. The Metrological Department predicted

Question ID : 1841224195

Status : Answered

Chosen Option : 1

**Q.19 Select the most appropriate option to fill in the blank.**

\_\_\_\_\_ he became the Governor of the state, he didn't allow any of his relatives to travel with him.

Ans  1. In order that

2. As soon as

3. In case

4. As long as

Question ID : 1841224178

Status : Answered

Chosen Option : 2

**Q.20 Select the most appropriate indirect form of the given sentence.**

"I will take you to the dentist tomorrow," said Taru.

Ans  1. Taru said that I will take you to the dentist tomorrow.

2. Taru said that she would take me to the dentist the next day.

3. Taru said that she is ready to take me to the dentist the next day.

4. Taru said that she will take you to the dentist the next day.

Question ID : 1841224180

Status : Answered

Chosen Option : 2



**Comprehension:**

Read the given passage and answer the questions that follow.

The biggest bicycle boom in American history, after the one in the eighteen-nineties, took place in the nineteen-seventies, even before the gas crisis. On the first Earth Day, April 22, 1970, bicycling activists staged protests all over the country. In San Jose, they buried a Ford. Later, in Chicago, they held a "pedal-in." Bike sales rose from nine million in 1971 to fourteen million in 1972, and more than half of those sales were to adults. Time announced a national bicycle shortage. "Look Ma, No Cars" was the motto of the New York-based group Action Against Automobiles in 1972. "Give Mom a Bike Lane," a placard read at a bike-in rally in San Francisco that year. The following year, as Carlton Reid reported in "Bike Boom: The Unexpected Resurgence of Cycling" (2017), more than two hundred bike legislation, including proposals to establish bike lanes, were introduced in forty-two states. In 1972, 1973, and 1974, bicycles outsold cars. Within a few years, though, the automobile lobby had bulldozed its way through state legislatures, and most proposals for bicycle infrastructure had been abandoned; by the time I was in college, in the nineteen-eighties, the boom was at an end. The latest bicycle boom began with the pandemic. In March of 2020, New York City declared bicycle-repair shops "essential businesses." Pop-up bicycle lanes opened in cities all over the world. Roads were closed to cars and opened for bicycles. In the U.S., more than half the bicyclists riding for the first time during the pandemic, or returning to it, were women. More people riding bikes meant more bicycle accidents—the rate of them doubled. More than a quarter of cars that hit and killed bicyclists left them there to die alone. Bike lanes, bike shares, new bike-safety laws: the rate of bicycle fatalities keeps going up all the same. Cars and trucks refuse to yield. The bike boom of the pandemic, Rosen argues, was a lot like the worldwide rewilding. Bears on street corners, cougars on cul-de-sacs, bicycles on highways. These things happened. Briefly.

**SubQuestion No : 21**

**Q.21 The central theme of the passage is:**

**Ans**

- 1. Bicycle booms in America
- 2. Bike legislations in the US
- 3. Bicycle boom during pandemic
- 4. Bike sales in America

Question ID : 1841224197

Status : Answered

Chosen Option : 1



**Comprehension:**

Read the given passage and answer the questions that follow.

The biggest bicycle boom in American history, after the one in the eighteen-nineties, took place in the nineteen-seventies, even before the gas crisis. On the first Earth Day, April 22, 1970, bicycling activists staged protests all over the country. In San Jose, they buried a Ford. Later, in Chicago, they held a "pedal-in." Bike sales rose from nine million in 1971 to fourteen million in 1972, and more than half of those sales were to adults. Time announced a national bicycle shortage. "Look Ma, No Cars" was the motto of the New York-based group Action Against Automobiles in 1972. "Give Mom a Bike Lane," a placard read at a bike-in rally in San Francisco that year. The following year, as Carlton Reid reported in "Bike Boom: The Unexpected Resurgence of Cycling" (2017), more than two hundred bike legislation, including proposals to establish bike lanes, were introduced in forty-two states. In 1972, 1973, and 1974, bicycles outsold cars. Within a few years, though, the automobile lobby had bulldozed its way through state legislatures, and most proposals for bicycle infrastructure had been abandoned; by the time I was in college, in the nineteen-eighties, the boom was at an end. The latest bicycle boom began with the pandemic. In March of 2020, New York City declared bicycle-repair shops "essential businesses." Pop-up bicycle lanes opened in cities all over the world. Roads were closed to cars and opened for bicycles. In the U.S., more than half the bicyclists riding for the first time during the pandemic, or returning to it, were women. More people riding bikes meant more bicycle accidents—the rate of them doubled. More than a quarter of cars that hit and killed bicyclists left them there to die alone. Bike lanes, bike shares, new bike-safety laws: the rate of bicycle fatalities keeps going up all the same. Cars and trucks refuse to yield. The bike boom of the pandemic, Rosen argues, was a lot like the worldwide rewilding. Bears on street corners, cougars on cul-de-sacs, bicycles on highways. These things happened. Briefly.

**SubQuestion No : 22**

**Q.22 When did the first bicycle boom occur in America?**

**Ans**

- 1. in the eighteen-nineties
- 2. in the two thousand
- 3. during the pandemic
- 4. in the nineteen-seventies

Question ID : 1841224198

Status : Answered

Chosen Option : 1



**Comprehension:**

Read the given passage and answer the questions that follow.

The biggest bicycle boom in American history, after the one in the eighteen-nineties, took place in the nineteen-seventies, even before the gas crisis. On the first Earth Day, April 22, 1970, bicycling activists staged protests all over the country. In San Jose, they buried a Ford. Later, in Chicago, they held a "pedal-in." Bike sales rose from nine million in 1971 to fourteen million in 1972, and more than half of those sales were to adults. Time announced a national bicycle shortage. "Look Ma, No Cars" was the motto of the New York-based group Action Against Automobiles in 1972. "Give Mom a Bike Lane," a placard read at a bike-in rally in San Francisco that year. The following year, as Carlton Reid reported in "Bike Boom: The Unexpected Resurgence of Cycling" (2017), more than two hundred bike legislation, including proposals to establish bike lanes, were introduced in forty-two states. In 1972, 1973, and 1974, bicycles outsold cars. Within a few years, though, the automobile lobby had bulldozed its way through state legislatures, and most proposals for bicycle infrastructure had been abandoned; by the time I was in college, in the nineteen-eighties, the boom was at an end. The latest bicycle boom began with the pandemic. In March of 2020, New York City declared bicycle-repair shops "essential businesses." Pop-up bicycle lanes opened in cities all over the world. Roads were closed to cars and opened for bicycles. In the U.S., more than half the bicyclists riding for the first time during the pandemic, or returning to it, were women. More people riding bikes meant more bicycle accidents—the rate of them doubled. More than a quarter of cars that hit and killed bicyclists left them there to die alone. Bike lanes, bike shares, new bike-safety laws: the rate of bicycle fatalities keeps going up all the same. Cars and trucks refuse to yield. The bike boom of the pandemic, Rosen argues, was a lot like the worldwide rewilding. Bears on street corners, cougars on cul-de-sacs, bicycles on highways. These things happened. Briefly.

**SubQuestion No : 23**

**Q.23 Which event was the first to occur during the biggest bike boom in America?**

**Ans**

- 1. Bike legislations were introduced by the States of the US
- 2. Bikes outsold the cars in the US
- 3. Bike activists organised a 'pedal in' in Chicago
- 4. Bike enthusiasts staged a protest all over the US

Question ID : 1841224199

Status : Answered

Chosen Option : 3



**Comprehension:**

Read the given passage and answer the questions that follow.

The biggest bicycle boom in American history, after the one in the eighteen-nineties, took place in the nineteen-seventies, even before the gas crisis. On the first Earth Day, April 22, 1970, bicycling activists staged protests all over the country. In San Jose, they buried a Ford. Later, in Chicago, they held a "pedal-in." Bike sales rose from nine million in 1971 to fourteen million in 1972, and more than half of those sales were to adults. Time announced a national bicycle shortage. "Look Ma, No Cars" was the motto of the New York-based group Action Against Automobiles in 1972. "Give Mom a Bike Lane," a placard read at a bike-in rally in San Francisco that year. The following year, as Carlton Reid reported in "Bike Boom: The Unexpected Resurgence of Cycling" (2017), more than two hundred bike legislation, including proposals to establish bike lanes, were introduced in forty-two states. In 1972, 1973, and 1974, bicycles outsold cars. Within a few years, though, the automobile lobby had bulldozed its way through state legislatures, and most proposals for bicycle infrastructure had been abandoned; by the time I was in college, in the nineteen-eighties, the boom was at an end. The latest bicycle boom began with the pandemic. In March of 2020, New York City declared bicycle-repair shops "essential businesses." Pop-up bicycle lanes opened in cities all over the world. Roads were closed to cars and opened for bicycles. In the U.S., more than half the bicyclists riding for the first time during the pandemic, or returning to it, were women. More people riding bikes meant more bicycle accidents—the rate of them doubled. More than a quarter of cars that hit and killed bicyclists left them there to die alone. Bike lanes, bike shares, new bike-safety laws: the rate of bicycle fatalities keeps going up all the same. Cars and trucks refuse to yield. The bike boom of the pandemic, Rosen argues, was a lot like the worldwide rewilding. Bears on street corners, cougars on cul-de-sacs, bicycles on highways. These things happened. Briefly.

**SubQuestion No : 24**

**Q.24 "Cars and trucks refuse to yield." This indicates that:**

**Ans**

- 1. Cars and trucks continue in spite of the bike boom.
- 2. Bike boom is there to continue over the cars and trucks.
- 3. Bikes are taking over the cars and trucks.
- 4. Cars and trucks will eventually take over the bikes.

Question ID : 1841224200

Status : Answered

Chosen Option : 3



**Comprehension:**

Read the given passage and answer the questions that follow.

The biggest bicycle boom in American history, after the one in the eighteen-nineties, took place in the nineteen-seventies, even before the gas crisis. On the first Earth Day, April 22, 1970, bicycling activists staged protests all over the country. In San Jose, they buried a Ford. Later, in Chicago, they held a "pedal-in." Bike sales rose from nine million in 1971 to fourteen million in 1972, and more than half of those sales were to adults. Time announced a national bicycle shortage. "Look Ma, No Cars" was the motto of the New York-based group Action Against Automobiles in 1972. "Give Mom a Bike Lane," a placard read at a bike-in rally in San Francisco that year. The following year, as Carlton Reid reported in "Bike Boom: The Unexpected Resurgence of Cycling" (2017), more than two hundred bike legislation, including proposals to establish bike lanes, were introduced in forty-two states. In 1972, 1973, and 1974, bicycles outsold cars. Within a few years, though, the automobile lobby had bulldozed its way through state legislatures, and most proposals for bicycle infrastructure had been abandoned; by the time I was in college, in the nineteen-eighties, the boom was at an end. The latest bicycle boom began with the pandemic. In March of 2020, New York City declared bicycle-repair shops "essential businesses." Pop-up bicycle lanes opened in cities all over the world. Roads were closed to cars and opened for bicycles. In the U.S., more than half the bicyclists riding for the first time during the pandemic, or returning to it, were women. More people riding bikes meant more bicycle accidents—the rate of them doubled. More than a quarter of cars that hit and killed bicyclists left them there to die alone. Bike lanes, bike shares, new bike-safety laws: the rate of bicycle fatalities keeps going up all the same. Cars and trucks refuse to yield. The bike boom of the pandemic, Rosen argues, was a lot like the worldwide rewilding. Bears on street corners, cougars on cul-de-sacs, bicycles on highways. These things happened. Briefly.

**SubQuestion No : 25**

**Q.25 Which of the following statements is NOT true according to the passage?**

**Ans**  1. There were more men bicyclists during the pandemic than women in the US.

2. The rate of bike accidents doubled during the pandemic.

3. Like the rewilding of the world, the bike boom is also short lived.

4. The rate of bicycle fatalities keeps going up presently.

Question ID : 1841224201

Status : Answered

Chosen Option : 3

