

Prepp

Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPS



UPTET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

SSC GD Constable 2021 (English) Prev. Year Paper (06-Dec-2021) (Shift 1)

Total Time: 1 Hour : 30 Minute

Total Marks: 100

Instructions

Sl No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks
1	General Intelligence and Reasoning	25	25	0.25	1
2	General Knowledge and General Awareness	25	25	0.25	1
3	Elementary Mathematics	25	25	0.25	1
4	English	25	25	0.25	1

- 1.) A total of 90 minutes is allotted for the examination.
- 2.) The server will set your clock for you. In the top right corner of your screen, a countdown timer will display the remaining time for you to complete the exam. Once the timer reaches zero, the examination will end automatically. The paper need not be submitted when your timer reaches zero.
- 3.) There will, however, be sectional timing for this exam. You will have to complete each section within the specified time limit. Before moving on to the next section, you must complete the current one within the time limits.

General Intelligence and Reasoning

1. If '₹' denotes '+', '@' denotes '-', '#' denotes '×' and '\$' denotes '÷', what will be the value of $46 ₹ 23 \# 21 \$ 3 @ 17$? (+1, -0.25)
- a. 190
 - b. 466
 - c. 353
 - d. 299

2. In a certain code language, 'STUDIES' is coded as '60433' and 'PACKAGE' is coded as '201113'. How will 'BLOWING' be coded in that language? (+1, -0.25)
- a. 292440
 - b. 292330
 - c. 292431
 - d. 282430

3. 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(s) from the statements. (+1, -0.25)

Statements:

All cats are dogs.

All dogs are elephants.

No elephant is a cow.

Conclusions:

I. All cats are elephants.

II. All elephants are cats.

- a. Only conclusion II follows
- b. Neither conclusion I nor conclusion II follows
- c. Both conclusion I and II follow
- d. Only conclusion I follows

4. Pointing towards Manish, Ajay said to a woman, "He is the son of the father of the mother of my daughter". How is Ajay related to Manish? (+1, -0.25)

- a. Uncle
- b. Father-in-law
- c. Brother-in-law
- d. Brother

5. Select the option in which the given figure is embedded (rotation is NOT allowed). (+1, -0.25)



- a.



6. Select the correct water image of the given figure.

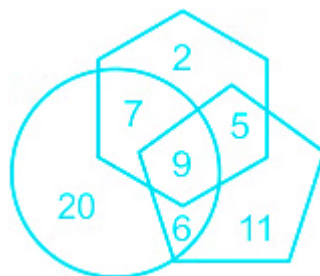
(+1, -0.25)

YRemN4



7. In the following diagram, the 'pentagon' stands for 'athletes', the 'hexagon' stands for 'Indians', and the 'circle' stands for 'medalists'. The numbers given in the different segments represent the number of persons of that category.

(+1, -0.25)



How many Indians are medalists but are NOT Athletes?

- a. 6
- b. 7
- c. 9
- d. 5

8. Five persons are sitting around a circular table facing the centre of the table. Shweta is to the immediate left of Kartik. Mahi is second to the right of Jenny. Jenny is between Suvarna and Kartik. Who is sitting second to the right of Suvarna? (+1, -0.25)

- a. Jenny
- b. Shweta
- c. Mahi
- d. Kartik

9. Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. (+1, -0.25)

- 1. Season
 - 2. Seating
 - 3. Sense
 - 4. Sealed
 - 5. Seize
- a. 4, 1, 2, 3, 5

- b. 4, 1, 2, 5, 3
- c. 4, 2, 1, 5, 3
- d. 1, 4, 2, 5, 3

10. Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different. (+1, -0.25)

- a. AEI
- b. QNV
- c. OEU
- d. EIU

11. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series. (+1, -0.25)

DNKB, GQNE, JTQH, MWTK, ?

- a. QZWM
- b. PZXO
- c. PZWN
- d. PAXN

12. Select the option that is related to the third number in the same way as the second number is related to the first number. (+1, -0.25)

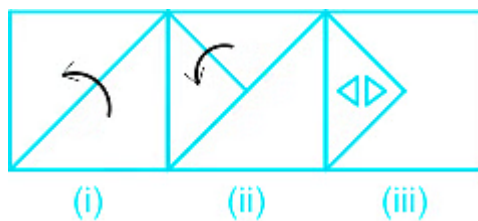
23 : 299 :: 24 : ?

- a. 310
- b. 312
- c. 306
- d. 300

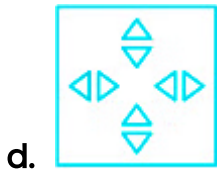
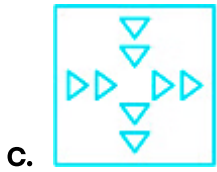
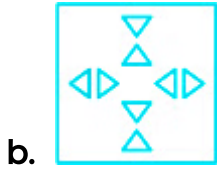
13. Four number triads have been given, out of which three are alike in some manner and one is different. Select the number triad that is different. (+1, -0.25)

- a. (9, 81, 729)
- b. (8, 64, 412)
- c. (5, 25, 125)
- d. (6, 36, 216)

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? (+1, -0.25)



- a.



15. Select the number from among the given options that can replace the question mark (?) in the following series. (+1, -0.25)

11, 29, 65, 137, 281, ?

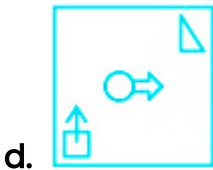
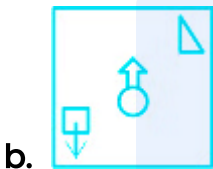
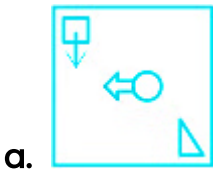
- a. 569
- b. 540
- c. 391
- d. 442

16. In a certain code language, 'LAWYER' is written as 'LWEAYR' and 'ADVICE' is written as 'AVCDIE'. How will 'COURTS' be written in that language? (+1, -0.25)

- a. CUTORS
- b. OTRSC
- c. STRUOC

d. OURUST

17. Select the figure from among the given options that can replace the question mark (?) in the following series. (+1, -0.25)



18. In a certain code language, 'KAPIL' is written as 'NDRKN' and 'SAROJ' is written as 'VDTQL'. How will 'POOJA' be written in that language? (+1, -0.25)

- a. SQPMC
- b. SRRLC

- c. SRQLC
- d. SRRMD

19. When a natural number X is added to its next natural number Y and another natural number that is five times its next natural number Y , the sum of these three numbers is 104. Find the number X . (+1, -0.25)

- a. 14
- b. 17
- c. 16
- d. 15

20. Select the number from among the given options that can replace the question mark (?) in the following series. (+1, -0.25)

192, 179, 162, ?, 120, 91, 60

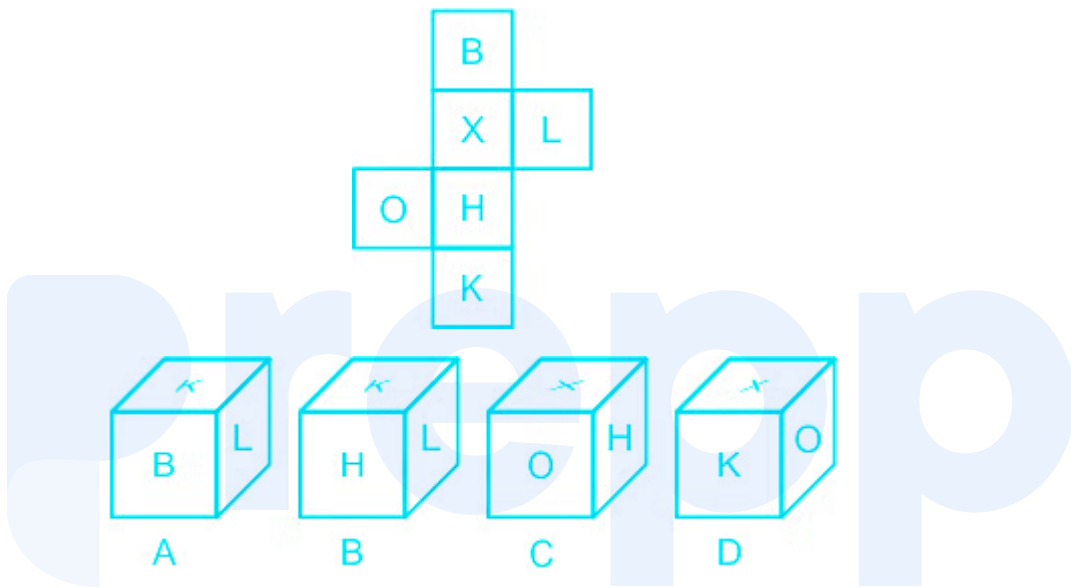
- a. 81
- b. 143
- c. 150
- d. 136

21. 'Rectification' is related to 'Correction' in the same way as 'Eviction' is related to '_____': (+1, -0.25)

- a. Commend

- b. Exclamation
- c. Sensational
- d. Expulsion

22. Select the dice(s) that can be formed by folding the given sheet. (+1, -0.25)



- a. A and C
- b. A and B
- c. A, B, C and D
- d. A, B and C

23. Eight persons, namely Arvind, Kunal, Nidhi, Pawan, Sahil, Tanya, Tanmay and Sunita, are sitting around a circular table facing the centre. Nidhi is sitting second to the right of Sahil. Kunal is sitting second to the right of Pawan. Tanmay is sitting third to the left of Pawan. Sunita is sitting to the immediate left of Tanmay and to the right of Arvind. Tanya is sitting third to the right of Arvind. Who is sitting between Nidhi and Sahil? (+1, -0.25)

- a. Tanmay
- b. Kunal
- c. Tanya
- d. Pawan

24. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. (+1, -0.25)

W _ A T _ W X _ _ Q _ _ A T Q

- a. X Q A T W X
- b. A Q A T W X
- c. X Q A Q W X
- d. X Q A T W A

25. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster. (+1, -0.25)

LGS : QHX :: NDP : ?

- a. TEV
- b. SEU
- c. TIU
- d. SIU

General Knowledge and General Awareness

26. The Food and Agriculture Organization of the United Nations (FAO) declared the Saffron Heritage of Kashmir a 'Globally Important Agricultural Heritage System' (GIAHS) in the year _____.
- (+1, -0.25)
- a. 2010
 - b. 2009
 - c. 2011
 - d. 2008
-

27. Which among the following comes first in the chronological order?
- (+1, -0.25)
- a. Beginning of Gupta Era
 - b. Beginning of Saka Era
 - c. Accession of Harsha Vardhana
 - d. Death of Alexander
-

28. With which sport is Dingko Singh associated?
- (+1, -0.25)
- a. Football
 - b. Swimming
 - c. Boxing
 - d. Javelin
-

29. On 15 August 2021, a team of people with disabilities undertook an expedition to Siachen Glacier to create a new World Record for the largest team of people with disabilities to reach the world's highest battlefield as part of '_____'. (+1, -0.25)
- a. Operation White Sea
 - b. Operation Black Tornado
 - c. Operation Red Bull
 - d. Operation Blue Freedom
-

30. Which type of soil retains the maximum amount of water? (+1, -0.25)
- a. Clay
 - b. Sand
 - c. Silt
 - d. Loam
-

31. Who among the following has become the first woman Deputy Chief Minister of Bihar? (+1, -0.25)
- a. Renu Devi
 - b. Aparna Yadav
 - c. Kiran Bedi
 - d. Anju Bala
-

32. Which of the following is NOT a characteristic of a sound wave? (+1, -0.25)
- a. Speed
 - b. Amplitude
 - c. Frequency
 - d. Compression
-

33. A newly discovered bright green viper snake species found in the forests of _____ has been named after Salazar Slytherin. (+1, -0.25)
- a. Tamil Nadu
 - b. Himachal Pradesh
 - c. Arunachal Pradesh
 - d. Kerala
-

34. Who among the following is the author of the book 'The Insider'? (+1, -0.25)
- a. PV Narasimha Rao
 - b. Oscar Fernandes
 - c. K Natwar Singh
 - d. Manmohan Singh
-

35. Hurka Baul is a dance form prevalent in the state of _____ . (+1, -0.25)

- a. Uttar Pradesh
 - b. Chhattisgarh
 - c. Jharkhand
 - d. Uttarakhand
-

36. Which of the following was NOT a port town of the Indus Valley Civilisation? (+1, -0.25)

- a. Khirasara
 - b. Rakhigrahi
 - c. Balakot
 - d. Lothal
-

37. Bal Gangadhar Tilak was described as the _____ by Valentine Chirol. (+1, -0.25)

- a. Father of Indian unrest
 - b. Man of Peace
 - c. Grand Old Man of India
 - d. Father of Revolutionary Thoughts
-

38. As per which Article of the Indian Constitution can the President pardon a death sentence? (+1, -0.25)

- a. Article 25

- b. Article 75
 - c. Article 72
 - d. Article 78
-

39. The National Food Security Act 2013 legally entitles up to _____ of (+1, -0.25)
the rural population to receive subsidized food grains under the Targeted
Public Distribution System.

- a. 100%
 - b. 95%
 - c. 85%
 - d. 75%
-

40. Which of the following countries will host the 13th Men's Cricket World Cup (+1, -0.25)
2023?

- a. Australia
 - b. England
 - c. West Indies
 - d. India
-

41. Who among the following at the US Open 2020 became the first Indian in (+1, -0.25)
the last seven years to enter the second round of a Grand Slam Singles
event?

- a. Prajnesh Gunneswaran

- b. Sasikumar Mukund
 - c. Sumit Nagal
 - d. Ramkumar Ramanathan
-

42. In which year was the Diwani of Bengal transferred to the East India Company? (+1, -0.25)

- a. 1789
 - b. 1765
 - c. 1898
 - d. 1845
-

43. Which region of Asia is the fastest growing in human development progress as per 'Human Development Report 2019'? (+1, -0.25)

- a. North Asia
 - b. East Asia
 - c. South Asia
 - d. West Asia
-

44. Which of the following statements about carbon monoxide is INCORRECT? (+1, -0.25)

- a. It is produced by the incomplete burning of fuels such as petrol and diesel.

- b. It reduces the oxygen-carrying capacity of the blood.
 - c. It is a life-saving gas.
 - d. It is produced in high levels by vehicles.
-

45. Which among the following was known as the Imperial Bank of India before 1955? (+1, -0.25)

- a. Union Bank of India
 - b. State Bank of India
 - c. Oriental Bank of Commerce
 - d. Central Bank of India
-

46. Shri Bhupender Yadav, the Union Minister for Environment, Forest and Climate Change, virtually inaugurated a smog tower in _____ in September 2021. (+1, -0.25)

- a. New Delhi
 - b. Mumbai
 - c. Bengaluru
 - d. Chennai
-

47. Which year is known as 'The Year of the Great Divide' in the demographic history of India? (+1, -0.25)

- a. 1931

- b. 1901
 - c. 1911
 - d. 1921
-

48. Who authored the book titled '40 Years with Abdul Kalam - Untold Stories' in 2020? (+1, -0.25)

- a. Arun Tiwari
 - b. Adamyia Sahas
 - c. A Sivathanu Pillai
 - d. Vikram Sarabhai
-

49. Among the different types of Hindu marriages, the one involving the voluntary union of a maiden and her lover on their own is called: (+1, -0.25)

- a. Paishacha marriage
 - b. Prajapatya marriage
 - c. Gandharva marriage
 - d. Daiva marriage
-

50. Which bank launched banking services on WhatsApp in October 2020? (+1, -0.25)

- a. HDFC Bank
- b. Bank of Baroda

c. ICICI Bank

d. IDBI Bank

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Your Personal Exams Guide

Elementary Mathematics

51. A boat takes 40% less time to travel a certain distance in still water than to cover two times of the same distance downstream. If the speed of the boat in still water is 25 km/h, then what is the speed (in km/h) of the stream? (+1, -0.25)
- a. 4
- b. 5
- c. 5.5
- d. 4.5
-
52. Pipes A and B can fill a tank in 36 minutes and 45 minutes, respectively. Both these pipes were opened simultaneously. After 20 minutes, a leak at the bottom of the tank was spotted which was immediately sealed. The tank was full in another 15 minutes. The leak alone can empty the full tank in: (+1, -0.25)
- a. 25 minutes
- b. 30 minutes
- c. $28\frac{1}{3}$ minutes
- d. $26\frac{2}{3}$ minutes
-
53. What will be the ratio of simple interest earned on a certain sum at the same rate percentage p.a. for 4 years and that for 6 years? (+1, -0.25)
- a. 1 : 3

- b. 3 : 6
- c. 2 : 3
- d. 2 : 5

54. Concrete consists of 3 parts of lime, 7 parts of gravel and 6 parts of sand. (+1, -0.25)
Out of 800 kg of concrete, how much (in kg) is gravel?

- a. 150
- b. 320
- c. 300
- d. 350

55. The value of $\frac{45 + \frac{6}{7} \text{ of } 21 - 8}{64 - \frac{3}{5} \text{ of } (28 - 13)}$ is: (+1, -0.25)

- a. 2
- b. 1
- c. 10
- d. 5

56. A shopkeeper allows a discount of 15% on the marked price of goods and (+1, -0.25)
still gains 70% on the whole. Find at what percentage above the cost
price does he mark his goods.

- a. 40
- b. 100

c. 70

d. 60

57. An article was sold at 75% of its marked price and thus gained 25%. The cost price of the article is: (+1, -0.25)

a. ₹50

b. ₹70

c. ₹60

d. ₹75

58. ₹15,000 was divided among A, B and C such that A gets 20% more than B and B gets 25% more than C. The share of C is: (+1, -0.25)

a. ₹5,000

b. ₹4,800

c. ₹3,200

d. ₹4,000

59. Ajay can complete $\frac{5}{12}$ of a task in 20 days. In how many days can he complete $\frac{3}{4}$ of the task? (+1, -0.25)

a. 35 days

b. 32 days

c. 36 days

d. 28 days

60. The value of $\frac{\frac{3}{4} \times 1\frac{1}{2} \div 2\frac{1}{4} + 5\frac{1}{2} \div 3\frac{2}{3} \text{ of } \frac{2}{5}}{\frac{1}{5} \text{ of } 7\frac{1}{2} \div \frac{3}{4}}$ is: (+1, -0.25)

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

b. $3\frac{3}{4}$

c. $8\frac{1}{2}$

d. $\frac{17}{32}$

61. A man travelled from place A to B at 30 km/h and from B to C at 45 km/h. (+1, -0.25)
His average speed for the whole journey was 40 km/h. The ratio of the distance of AB : BC is:

a. 1 : 2

b. 3 : 5

c. 2 : 3

d. 1 : 3

62. The surface area of a solid cube is 726 cm^2 . It is melted and recast into a solid cylinder of radius 11 cm. What is the height (in cm) of the cylinder? (+1, -0.25)
(take $\pi = \frac{22}{7}$)

a. 3.5

b. 5.5

c. 1.9

d. 2.5

63. The sales price of an article, including the sales tax, is ₹772.8. The cost price of the article is ₹600. If the shopkeeper has made a profit of 15%, the what is the rate of sales tax? (+1, -0.25)

a. 10%

b. 12%

c. 13%

d. 11%

64. A number when divided by 65, gives 31 as the remainder. The same number when divided by 13, gives the remainder: (+1, -0.25)

a. 3

b. 7

c. 5

d. 9

65. If an 11-digit number 546789x531y is divisible by 88, then the value of $(x - y)$ is: (+1, -0.25)

a. 2

b. 3

c. 1

d. 0

66. 20 persons were engaged to complete a work in 8 days. Due to COVID 19 infection, 4 persons left the job after 4 days. The total number of days required to complete the work is: (+1, -0.25)

a. 12

b. 9

c. 11

d. 10

67. A man borrowed ₹50,000 for 2 years at a rate of 2% on compound interest. The difference in the amount at the end of the first year and that at the end of the second year is: (+1, -0.25)

a. ₹1,050

b. ₹1,020

c. ₹1,030

d. ₹1,040

68. The marked price of an article is ₹500. After giving three successive discounts of $x\%$, 20% and $x\%$, it is sold for ₹309.76. What is the value of x ? (+1, -0.25)

a. 10

b. 15

c. 12

d. 16

69. A rectangular field is of the dimensions 20 m length and 10 m breadth. If the length is increased by 10% and the breadth is decreased by 20%, then the ratio of the old area to the new area will be: **(+1, -0.25)**

a. 22 : 25

b. 3 : 2

c. 25 : 22

d. 4 : 5

70. Six years ago, the average age of A, B and C was 29 years. Eight years ago, the average age of A and C was 27 years. What is the present age (in years) of B? **(+1, -0.25)**

a. 34

b. 36

c. 31

d. 35

71. The average weight of 20 girls in a school was 52 kg. Two new students of weight 54 kg and 50 kg were admitted. The ratio of this new average to the old one is: **(+1, -0.25)**

a. 21 : 22

b. 1 : 1

c. 24 : 25

d. 14 : 13

72. A sum of ₹600 becomes ₹850 in 3 years at simple interest. The rate percent is: (+1, -0.25)

a. 7.5%

b. 6%

c. $\frac{125}{9}$ %

d. $\frac{21}{4}$ %

73. Mr. Ram gave 60% of the money he had to his wife. He also gave equal amounts to his three children, that is, each one got 20% of the remaining amount after giving to his wife. Three-fifths of the amount now left was spent on miscellaneous items and the remaining amount of ₹9,600 was deposited in the bank. How much money (in ₹) did Mr. Ram gave to his wife? (+1, -0.25)

a. 90,000

b. 80,000

c. 1,20,000

d. 1,50,000

74. If the difference between 40% of a number and 30% of the same number is 70, then the number is: (+1, -0.25)

a. 800

- b. 600
- c. 700
- d. 750

75. The cost price of an article is ₹2,250, which is 25% below the marked price. (+1, -0.25)
If the article is sold at 15% discount, what profit per cent is made on the transaction?

- a. 6.25%
- b. 13.33%
- c. 8.67%
- d. 11.25%

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Your Personal Exams Guide

English

76. Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. (+1, -0.25)

The book is well-written but there is few boring patches in it.

- a. are little boring patches
- b. are some boring patches
- c. No substitution required
- d. are a certain boring patches

-
77. Select the most appropriate ANTONYM of the given word. (+1, -0.25)

Emerge

- a. Disappear
- b. Derive
- c. Surface
- d. Arise

-
78. Select the option that can be used as a one-word substitute for the given group of words. (+1, -0.25)

Ordinary and dull

- a. Familiar

- b. Shallow
 - c. Callous
 - d. Mundane
-

79. Select the most appropriate option to fill in the blank. (+1, -0.25)

There was a huge demand for entry tickets at the _____.

- a. venom
 - b. vent
 - c. venue
 - d. venture
-

80. Select the most appropriate synonym of the given word. (+1, -0.25)

Cunning

- a. Unusual
 - b. Prudent
 - c. Shrewd
 - d. Stray
-

81. Select the most appropriate meaning of the given idiom. (+1, -0.25)

To go round in circles

- a. To be unable to draw a circle properly

- b. To run round a circular stadium very fast
- c. To waste one's time and energy doing trivial things
- d. To play a game which makes you run a lot

82. Select the INCORRECTLY spelt word.

(+1, -0.25)

- a. Versatile
- b. Voluntere
- c. Mercenary
- d. Contingency

83. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

(+1, -0.25)

I work mainly in the computer department, / who is / the smallest department / in the University.

- a. who is
- b. the smallest department
- c. I work mainly in the computer department
- d. in the University

84. Select the most appropriate option to fill in the blank.

(+1, -0.25)

One boy was _____ inside when the building caught fire.

- a. saved

- b. captured
 - c. trapped
 - d. gripped
-

85. Select the most appropriate ANTONYM of the given word. (+1, -0.25)

Resist

- a. Allow
 - b. Curb
 - c. Suffer
 - d. Defy
-

86. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'. (+1, -0.25)

The snow melts in the warm of spring.

- a. by the warming
 - b. No improvement required
 - c. in the warmth
 - d. with warm
-

87. Select the most appropriate meaning of the given idiom. (+1, -0.25)

To blow one's own horn

- a. To become angry
 - b. To praise oneself
 - c. To breathe deeply
 - d. To calm oneself
-

88. Select the option that can be used as a one-word substitute for the given group of words. (+1, -0.25)

The practice of having more than one husband or wife at the same time

- a. Polygon
 - b. Polymorphism
 - c. Polygenesis
 - d. Polygamy
-

89. Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. (+1, -0.25)

Mr. Mohan Rao has been attacked on his conservative ideas about women.

- a. No substitution required
- b. attacking for his conservative
- c. attack from his conservative
- d. attacked for his conservative

90. Select the option that can be used as a one-word substitute for the given group of words. (+1, -0.25)

Group of stars

- a. Constellation
- b. Chain
- c. Collection
- d. Congregation

91. Select the most appropriate option to fill in the blank. (+1, -0.25)

My friend asked me to _____ him a thousand rupees.

- a. extend
- b. lend
- c. supply
- d. afford

92. Select the most appropriate synonym of the give word. (+1, -0.25)

Shuffle

- a. Stand
- b. Erect
- c. Stagger

d. Order

93. The following sentence has been split into four segments. Identify the segment that contains a grammatical error. (+1, -0.25)

I wish / I helped him / with his homework / last night.

- a. I helped him
 - b. last night
 - c. with his homework
 - d. I wish
-

94. Parts of the given sentence have been given as options. One of them contains a grammatical error. Select the option that has the error. (+1, -0.25)

I did not like the place as it was too noise and polluted.

- a. and polluted
 - b. as it was
 - c. did not like
 - d. too noise
-

95. Select the INCORRECTLY spelt word. (+1, -0.25)

- a. Religious
- b. Whine
- c. Mutual

d. Laurall

96. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. (+1, -0.25)

The issue of growing environmental pollution should be considered as one of (1) _____ importance. The environment (2) _____ the air we breathe, the water we drink, the trees and plants that (3) _____ food for us and the animal kingdom. All of these together form the circle of life on earth. Pollution is a process by which natural elements of the earth are negatively (4) _____, causing harm and (5) _____ to this circle of life.

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

- a. casual
- b. decisive
- c. serious
- d. grave

97. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. (+1, -0.25)

The issue of growing environmental pollution should be considered as one of (1) _____ importance. The environment (2) _____ the air we breathe, the water we drink, the trees and plants that (3) _____ food for us and the animal kingdom. All of these together form the circle of life on earth. Pollution is a process by which natural elements of the earth are negatively (4) _____, causing harm and (5) _____ to this circle of life.

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

- a. constructs
- b. nourishes
- c. obstructs
- d. comprises

98. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. (+1, -0.25)

The issue of growing environmental pollution should be considered as one of (1) _____ importance. The environment (2) _____ the air we breathe, the water we drink, the trees and plants that (3) _____ food for us and the animal kingdom. All of these together form the circle of life on earth. Pollution is a process by which natural elements of the earth are negatively (4) _____, causing harm and (5) _____ to this circle of life.

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

- a. beer
- b. procure
- c. garner
- d. bear

99. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. (+1, -0.25)

The issue of growing environmental pollution should be considered as one of (1) _____ importance. The environment (2) _____ the air we breathe, the water we drink, the trees and plants that (3) _____ food for us and the animal kingdom. All of these together form the circle of life on earth. Pollution is a process by which natural elements of the earth are negatively (4) _____, causing harm and (5) _____ to this circle of life.

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

- a. affected
- b. aerated
- c. effected
- d. deflected

100. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. (+1, -0.25)

The issue of growing environmental pollution should be considered as one of (1) _____ importance. The environment (2) _____ the air we breathe, the water we drink, the trees and plants that (3) _____ food for us and the animal kingdom. All of these together form the circle of life on earth. Pollution is a process by which natural elements of the earth are negatively (4) _____, causing harm and (5) _____ to this circle of life.

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

- a. demolition
- b. damage
- c. distraction

d. defiance

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Answers

1. Answer: a

Explanation:

The logic followed here is :-

BY using BODMAS RULE :

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

Symbols	₹	@	#	\$
Mathematical symbols	+	-	×	÷

Given equation : $46 ₹ 23 \# 21 \$ 3 @ 17$

After replacing the mathematical symbols in place of symbols given in equation is as follows : $46 + 23 \times 21 \div 3 - 17$

$$= 46 + 23 \times 21 \div 3 - 17$$

$$= 46 + 23 \times 7 - 17$$

$$= 46 + 161 - 17$$

$$= 207 - 17$$

$$= 190$$

Hence, the correct answer is "190".

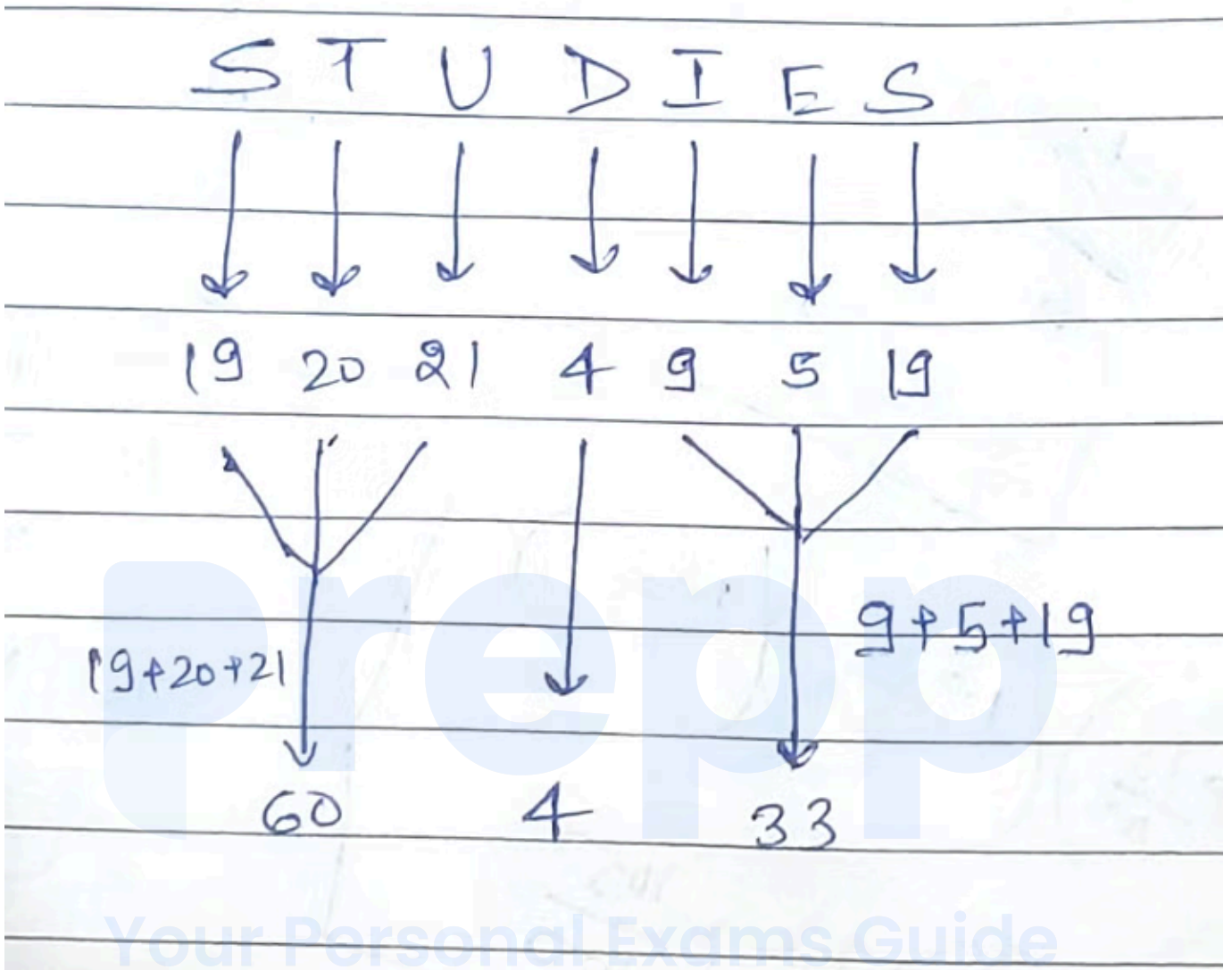
2. Answer: b

Explanation:

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

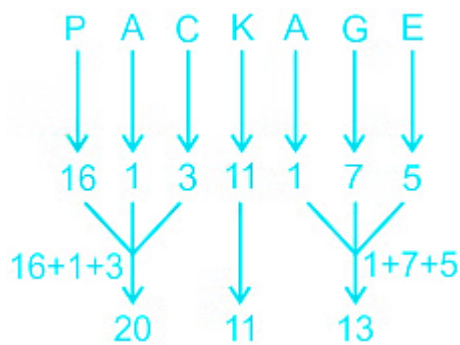
The logic followed here is :-

'STUDIES' is coded as '60433'.



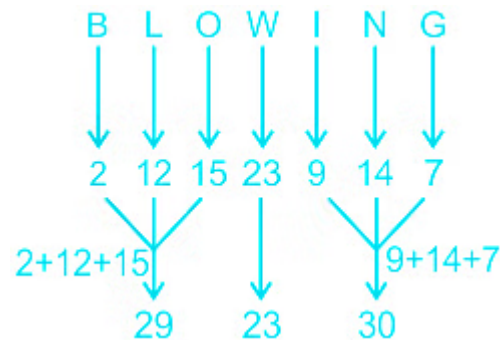
And

'PACKAGE' is coded as '201113'.



Similarly,

'BLOWING' will be coded as :

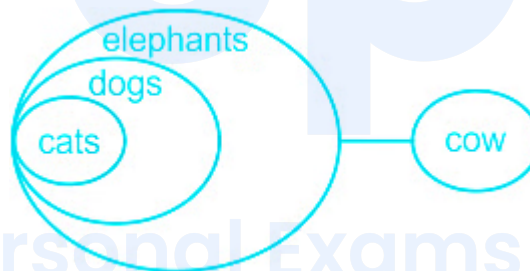


Hence, the correct answer is "292330".

3. Answer: d

Explanation:

The least possible Venn diagram for the given statements is as shown below :



Conclusions:

I. All cats are elephants → True (As All cats are dogs and All dogs are elephants so, All cats are elephants is true)

II. All elephants are cats → False (As All cats are dogs and All dogs are elephants so, All elephants are cats is false)

∴ Here, Only conclusion I is true.

Hence, the correct answer is "Only conclusion I follows".

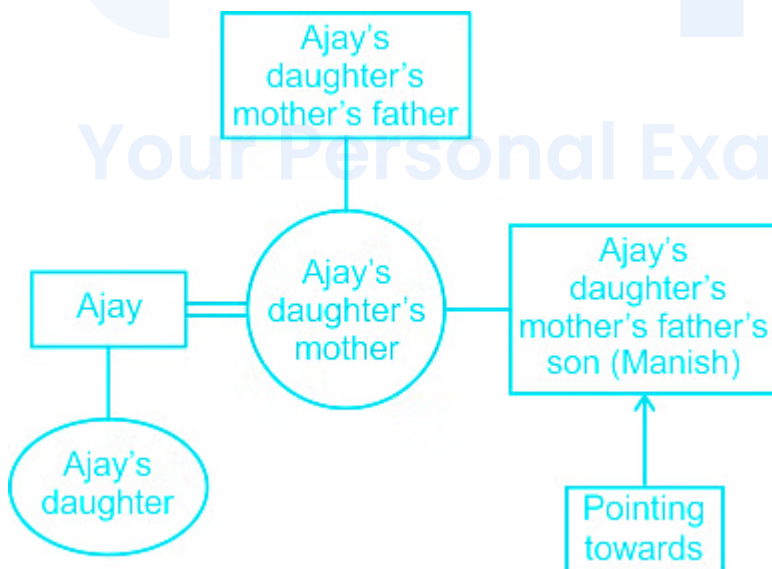
4. Answer: c

Explanation:

Preparing the family tree using the following symbols:

Symbol in Diagram	Meaning
○	Female
□	Male
══	Married Couple
—	Siblings
	Difference of A Generation

Family Tree :



∴ Here, 'Ajay' is brother-in-law of Manish.

Hence, the correct answer is "Brother-in-law".

5. Answer: d

Explanation:

The image embedded in given figure is as shown below :



No.	Option	Question	Answer
1.			Not Embedded
2.			Not Embedded
3.			Not Embedded
4.			Embedded

Hence, the correct answer is "Option 4".

6. Answer: b

Explanation:

The water image of the given figure is as shown below :

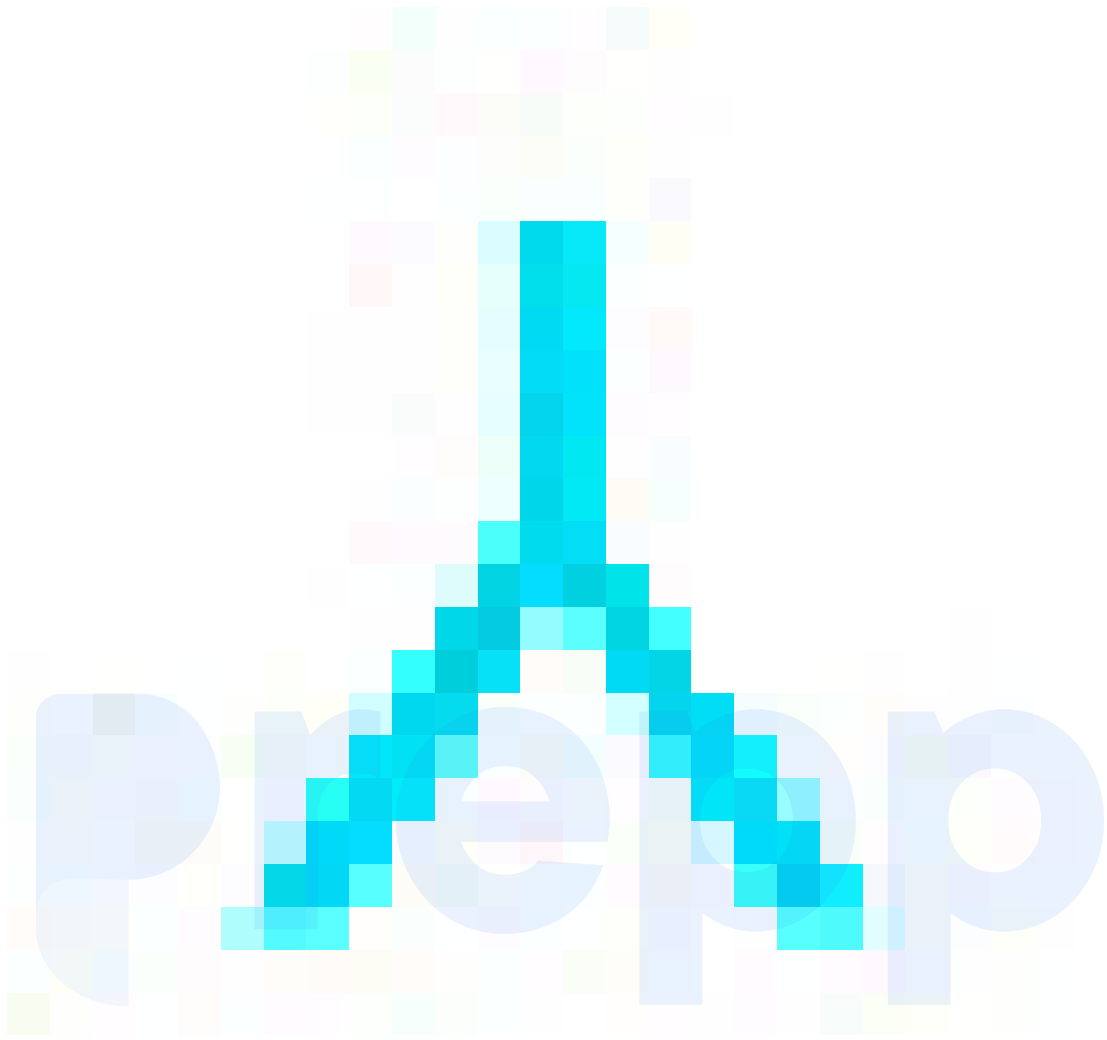


Detailed Explanation:

- The line PQ is water image.
- The word "YRemN4" has first letter 'Y'. so, the water image should be "

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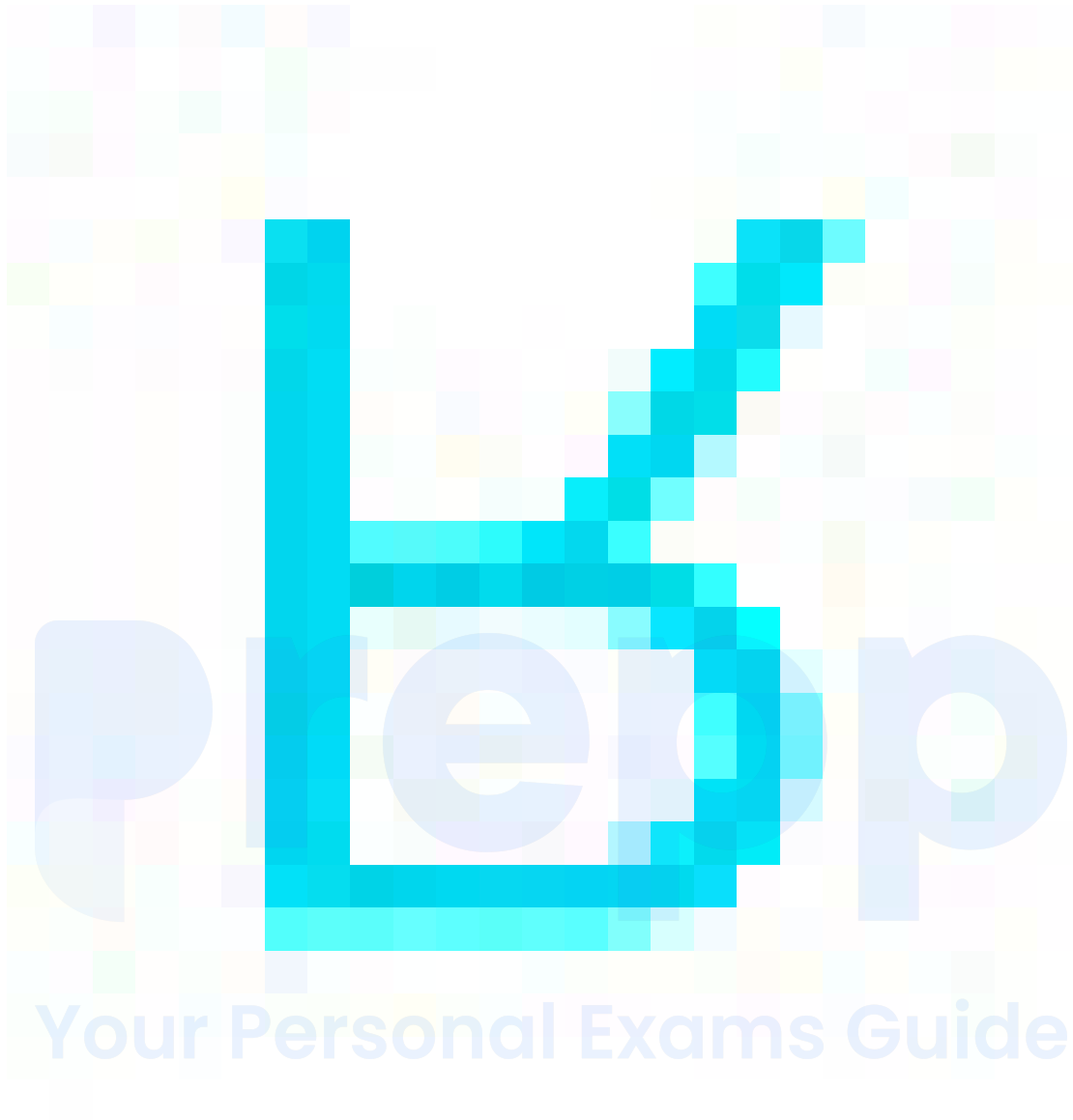
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" ⇒ Option 4 is eliminated.

- The word "YRemN4" has second letter 'R'. so, the water image should be "



" ⇒ Option 1 is eliminated.

- The word "YRemN4" has fourth letter 'm'. so, the water image should be "



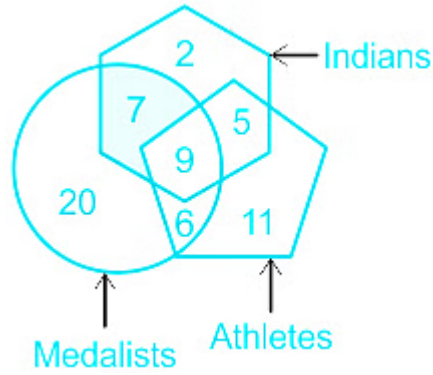
" ⇒ Option 3 is eliminated.

Hence, the correct answer is "Option 2".

7. Answer: b

Explanation:

The least possible Venn diagram for the given information is as shown below :



∴ Here, Number of Indians are medalists but are NOT Athletes is '7'.

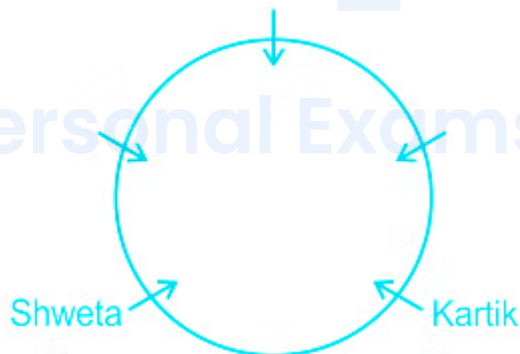
Hence, the correct answer is "7".

8. Answer: b

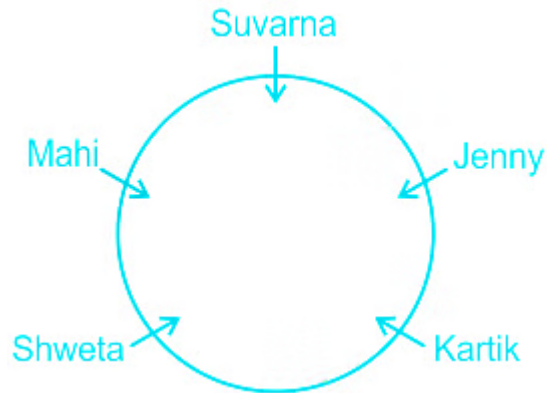
Explanation:

Five persons are sitting around a circular table facing the centre of the table.

1) Shweta is to the immediate left of Kartik.



2) Jenny is between Suvarna and Kartik and Mahi is second to the right of Jenny.



Shweta sitting second to the right of Suvarna

Hence, the correct answer is "Shweta".

9. Answer: b

Explanation:

The arrangement of the given words in the order in which they appear in an English dictionary is as shown below :

4. Sea led

1. Sea son

2. Se ating

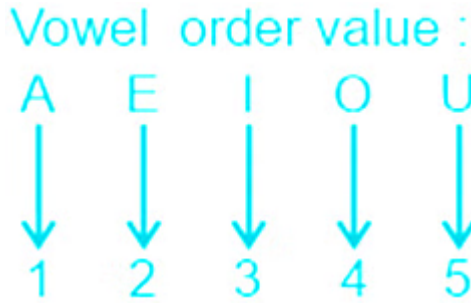
5. Se ize

3. Se nse

Hence, the correct answer is "4, 1, 2, 5, 3".

10. Answer: b

Explanation:



The logic followed here is :-

- 1) AEI → All given letters are vowels.
- 2) QNV → **All given letters are consonants.**
- 3) OEU → All given letters are vowels.
- 4) EIU → All given letters are vowels.

∴ Here, 'QNV' is different from other three alternatives.

Hence, the correct answer is "QNV".

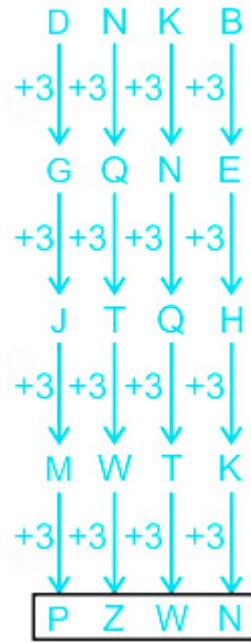
II. Answer: c

Explanation:

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

The logic followed here is :-

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Hence, the correct answer is "PZWN".

12. Answer: b

Explanation:

The logic followed here is :-

First number $\times 13 =$ Second number.

$$23 : 299 \rightarrow 23 \times 13 = 299$$

Similarly,

$$24 : ? \rightarrow 24 \times 13 = 312$$

Hence, the correct answer is "312".

13. Answer: b

Explanation:

The logic followed here is :-

⇒ (First number, First number ², First number ³)

1) (9, 81, 729) → (9, 9², 9³) = (9, 81, 729)

2) (8, 64, 412) → (8, 8², 8³) = (8, 64, 512)

3) (5, 25, 125) → (5, 5², 5³) = (5, 25, 125)

4) (6, 36, 216) → (6, 6², 6³) = (6, 36, 216)

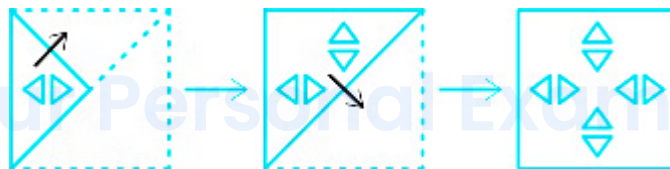
∴ Here, '(8, 64, 412)' is different from other three alternatives.

Hence, the correct answer is "(8, 64, 412)".

14. Answer: d

Explanation:

After unfolding the given paper the figure formed is as shown below :

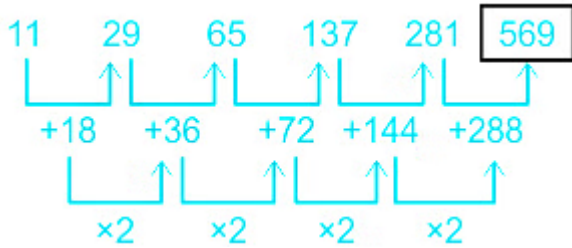


Hence, the correct answer is "Option 4".

15. Answer: a

Explanation:

The logic followed here is :-



Hence, the correct answer is "569".

16. Answer: a

Explanation:

The logic followed here is :-

'LAWYER' is written as 'LWEAYR'.



And

'ADVICE' is written as 'AVCDIE'.

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Similarly,

'COURTS' will be written as :



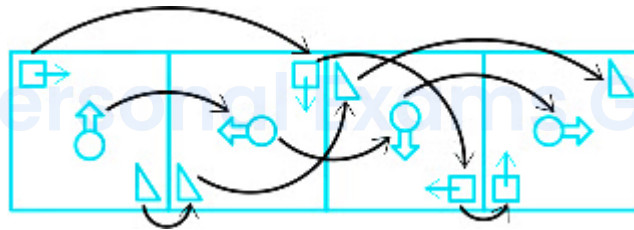
Hence, the correct answer is "CUTORS".

17. Answer: d

Explanation:

The figure that can replace the question mark (?) in the following series is as shown below :

- The square with arrow pointed outwards moves one step clockwise and rotated 90° clockwise from figure to figure.
- Triangle moves one step anti-clockwise from figure to figure.
- Circle with arrow pointing outwards rotates 90° anti-clockwise in same position from figure to figure.



Hence, the correct answer is "Option 4".

18. Answer: c

Explanation:

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

The logic followed here is :-

'KAPIL' is written as 'NDRKN'.



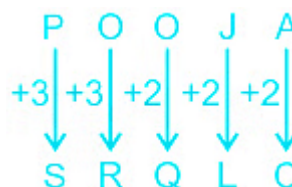
And

'SARJO' is written as 'VDTQL'.



Similarly,

'POOJA' will be written as :



Hence, the correct answer is "SRQLC".

19. Answer: a

Explanation:

Given,

When a natural number X is added to its next natural number Y and another natural number that is five times its next natural number Y .

First natural number = X

Next natural number $Y = X + 1$

Another natural number that is five times its next natural number $Y = 5(X + 1)$

Sum of these three numbers = 104

$$\Rightarrow X + X + 1 + 5(X + 1) = 104$$

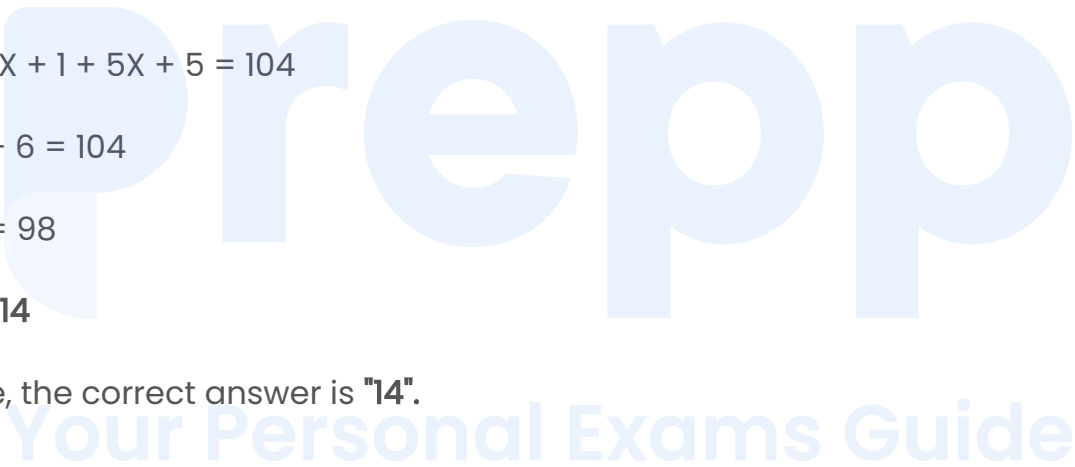
$$\Rightarrow X + X + 1 + 5X + 5 = 104$$

$$\Rightarrow 7X + 6 = 104$$

$$\Rightarrow 7X = 98$$

$$\Rightarrow X = 14$$

Hence, the correct answer is "14".



20. Answer: b

Explanation:

The logic followed here is :-

Prime numbers from 1 to 50 : 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47.



Hence, the correct answer is "143".

21. Answer: d

Explanation:

The logic followed here is :-

Rectification is the action of putting something right which means correction.

Similarly,

Eviction is the action of forcing someone to leave an organization which means Expulsion .

Hence, the correct answer is "Expulsion".

22. Answer: a

Explanation:

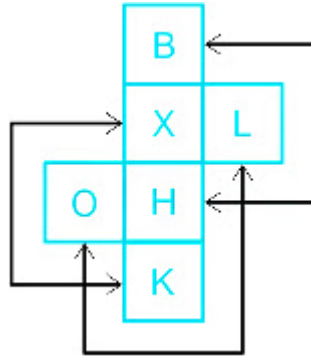
The logic followed here is:-

The opposite surface of the open dice can be found by the below method:-

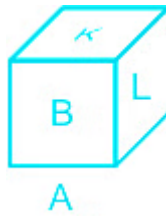
- Alternate surfaces are opposite to each other.
- No two opposite surfaces are touched by side or by corners

So, by using the above rule we can find the opposite surface of open dice.

In the given figure, Opposite faces are :

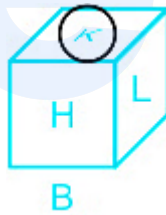


1)



→ All are adjacent sides of given cube.

2)



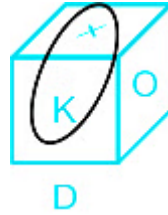
→ Here on top it should have X face instead of K face.

3)



→ All are adjacent sides of given cube.

4)



→ Here K and X are opposite faces but given as adjacent sides.

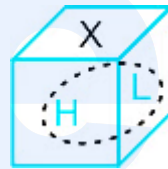
∴ Here, dice A and C are formed after folding the sheet.

Hence, the correct answer is "A and C".

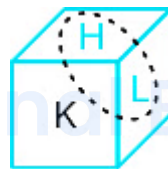
★ Mistake Points

Option 2 can't form a Dice.

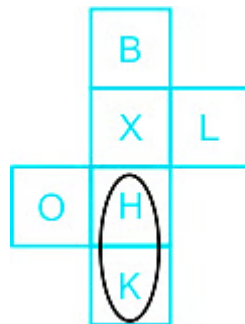
As, while folding the cube X should be the upper face of H and L.



And, K should be the bottom face of H and L.



K is placed below H in the given Dice, so K can't be above H.

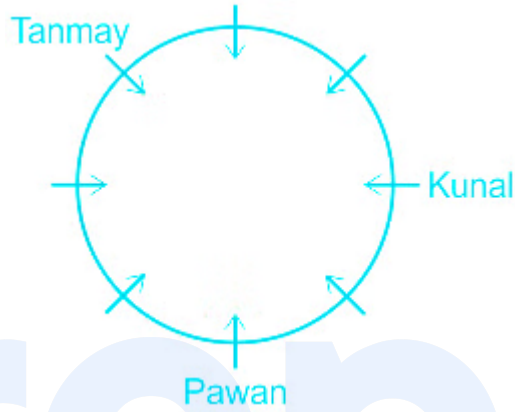


23. Answer: d

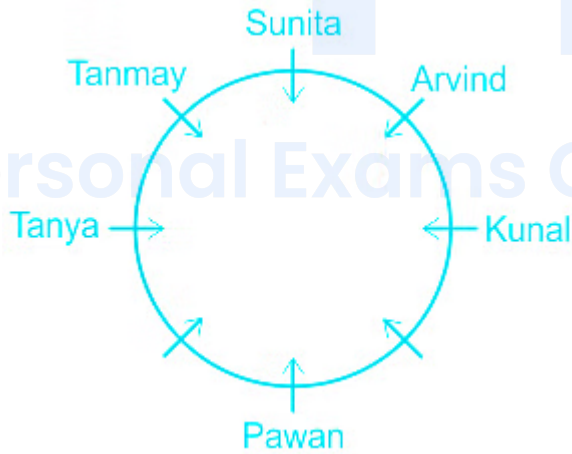
Explanation:

Eight persons, namely Arvind, Kunal, Nidhi, Pawan, Sahil, Tanya, Tanmay and Sunita, are sitting around a circular table facing the centre.

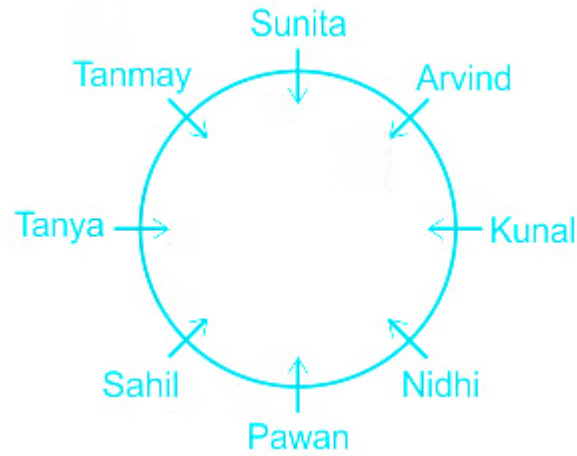
1) Kunal is sitting second to the right of Pawan and Tanmay is sitting third to the left of Pawan.



2) Sunita is sitting to the immediate left of Tanmay and to the right of Arvind and Tanya is sitting third to the right of Arvind.



3) Nidhi is sitting second to the right of Sahil.



∴ Here, 'Pawan' is sitting between Nidhi and Sahil.

Hence, the correct answer is "Pawan".

24. Answer: a

Explanation:

Given :- W _ A T _ W X _ _ Q _ _ A T Q

By checking options and substituting accordingly.

1) X Q A T W X → W X A T Q - W X A T Q - W X A T Q

- Here, "WXATQ" is repeated.

2) A Q A T W X → W A A T Q - W X A T Q - W X A T Q

3) X Q A Q W X → W X A T Q - W X A Q Q - W X A T Q

4) X Q A T W A → W X A T Q - W X A T Q - W A A T Q

- Option (1) gives the pattern of :- W X A T Q - W X A T Q - W X A T Q

Hence, the correct answer is "X Q A T W X".

25. Answer: b

Explanation:

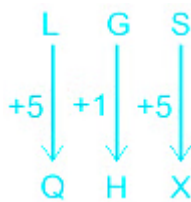
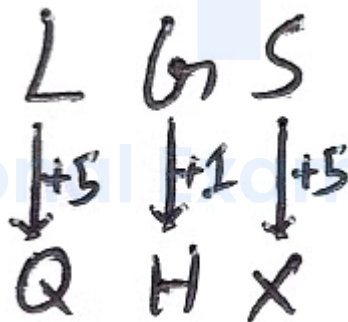
Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The logic followed here is :-

First and last letter of given word is added with +5.

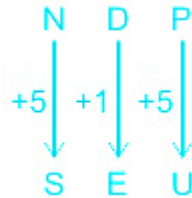
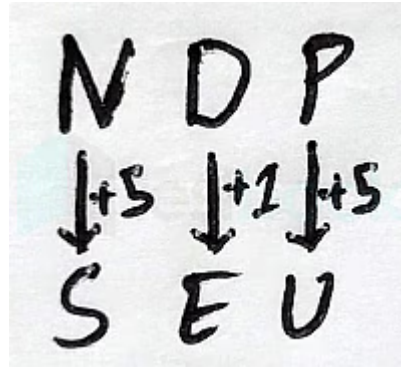
Middle letter of given word is added with +1.

LGS : QHX



Similarly,

NDP : ?



Hence, the correct answer is "SEU".

26. Answer: c

Explanation:

The correct answer is 2011.

★ Key Points

- The Food and Agriculture Organization of the United Nations (FAO) declared the **Saffron Heritage of Kashmir** a 'Globally Important Agricultural Heritage System' (GIAHS) in the year **2011**.
- It is also known as Saffron Heritage Site of Kashmir in India and popularly used a set of unique low-tillage traditional agricultural practices .
- The region is also best suited for agro-forestry and this practice is prevalent in a fallow period for growing fruit, fodder and mulberry trees along the farm boundaries.

★ Additional Information

- Globally Important Agricultural Heritage System (GIAHS) :-

- A GIAHS is a living, evolving system of human communities in an intricate relationship with their territory, cultural or agricultural landscape, or biophysical and wider social environment.
- In 2002, during the World Summit on Sustainable Development (Johannesburg, South Africa), the Food and Agriculture Organization (FAO) of the United Nations launched a Global Partnership Initiative on conservation and adaptive management of “Globally Important Agricultural Heritage Systems” .
- The overall goal of the GIAHS Programme is to identify and safeguard Globally Important Agricultural Heritage Systems and their associated landscapes, agricultural biodiversity, knowledge systems, and culture.
- Since 2005, Food and Agriculture Organisation (FAO) has designated 62 systems in 22 countries as agricultural heritage sites, and as of June 2021, 15 new proposals from 9 different countries were received
- The three GIAHS in India are:
 - Koraput Traditional Agriculture, Odisha
 - Kuttanad Below Sea Level Farming System, Kerala
 - Pampore Saffron Heritage, Jammu & Kashmir

27. Answer: d

Explanation:

The correct answer is Death of Alexander.

★ Important Points

- **Alexander** the Great died in Babylon in **323 B.C.**
- Chandragupta ✕ is considered to be the founder of the **Gupta Era** which started with his accession in **319 - 320 CE**.
- The beginning of the **Shaka era** is now widely equated to the ascension of king Chashtana in **78 CE**.
- This led the 16-year-old **Harshavardhana** to **ascend the throne of Thanesar** in **606 AD**.
 - Hence **Death of Alexander** comes first in chronological order.

★ Additional Information

- Alexander the Great was a king (basileus) of the ancient Greek kingdom of Macedon.
 - Alexander is considered one of history's most successful commanders.
 - He invaded India in 326 BC during the period of Dhana Nanda .
 - Alexander the Great died of malaria in Babylon (now Iraq) , on June 13, 323 B.C .
 - He was just 32 years old at the time of his death.

28. Answer: c

Explanation:

The correct answer is Boxing.

★ Key Points

- **Dingko Singh** was an Indian boxer.
- He won the gold medal at the 1998 Asian Games in Bangkok.
- He was from the North-eastern Indian state of Manipur.
- He was awarded the Padma Shri by the Government of India in 2013.
- He was 47.
- Dingko won the Asian Games gold in 1998 and was bestowed the Arjuna award the same year.
- Dingko, who was employed with the Navy, had taken to coaching after hanging up his gloves.

★ Additional Information

- Asian Games
 - It is also known as Asiad.
 - It is a multi-sport event held every four years among athletes from all over Asia.
 - The first Asian Games were held in India in 1951.

- The most recent one was held in Palembang and Jakarta, Indonesia from 18 August–2 September 2018.
- The next games will be held from 10 to 25 September 2022 in China.

29. Answer: d

Explanation:

The correct answer is Operation Blue Freedom.

★ Important Points

- Union Social Justice and Empowerment Minister Dr. Virendra Kumar flagged off 'Operation Blue Freedom' on 16 August 2021.
- It is an expedition by the people with disabilities from across India to the world's highest battlefield Siachen Glacier .
- Selected people with disabilities will undertake an expedition to Kumar Post to create a new world record to scale the world's highest battlefield.
- The team of people with disabilities has been trained by ' Team CLAW ', an elite team of Former Special Forces Veterans working towards creating ecosystems for people with disabilities to thrive.
- The team will drive via Manali to Leh and will prepare for the Siachen Glacier world record expedition.
- The team will subsequently undergo three stages of acclimatisation and training at Leh (Stage 1), Siachen base camp (Stage 2) and North Pullu (Stage 3) before being inducted into the Siachen Base Camp for the final expedition.
- The final leg of the expedition from Siachen Base Camp to Kumar Post, standing tall at an altitude of 15,632 feet, will commence on September 1, 2021.

30. Answer: a

Explanation:

The correct answer is Clay.

★ Key Points

- **Clayey soil** retains the highest amount of water and sandy soil retains the lowest amount of water.
- Clay soil is soil that is comprised of very fine mineral particles and not much organic material.
- Clay is the smallest particle among the other two types of soil.
- The particles in this soil are tightly packed together with each other with very little or no airspace.
- This soil has very good water storage qualities and makes it hard for moisture and air to penetrate into it.
 - It is very sticky to the touch when wet, but smooth when dried.
- Clay is the densest and heaviest type of soil that does not drain well or provide space for plant roots to flourish.

★ Additional Information

- **Sand** is a granular material composed of finely divided rock and mineral particles.
 - Sand has various compositions but is defined by its grain size.
- **Silt** is granular material of a size between sand and clay and composed mostly of broken grains of quartz.
 - Silt may occur as soil or as sediment mixed in suspension with water.
- **Loam** is soil composed mostly of sand, silt, and a smaller amount of clay.
 - By weight, its mineral composition is about 40–40–20% concentration of sand–silt–clay.

31. **Answer: a**

Explanation:

The correct answer is Renu Devi.

★ Key Points

- On 16 November 2020 , Renu Devi from Bettiah took oath as one of the Deputy Chief Ministers of Bihar . With this, she became the first women Deputy CM of Bihar.
- Along with her, Tarkishore Prasad also took oath as one of the Deputy Chief Ministers.
- Nitish Kumar was sworn in as the Chief Minister for the seventh time and for the fourth consecutive term, in presence of top leaders of the NDA, including Union Home minister Amit Shah and BJP national president JP Nadda. As CM, he had a continuous run since November 2005 , except for the period in 2014-15.
- JDU leaders Vijay Kumar Choudhary, Vijendra Prasad Yadav, Ashok Choudhary , and Mewa Lal Choudhary also took oath as Cabinet Ministers of the state.

★ Additional Information

- Basic Information about Bihar:(Sept 2022)
 - Chief Minister: Nitish Kumar
 - Governor: Phagu Chauhan
 - State Animal: Gaur (Mithun)
 - State Bird: House Sparrow
 - State Flower: Kachnar
 - State Tree: Peepal Tree
 - State Fruit: Mango
 - Wildlife Sanctuaries : Valmiki Tiger Reserve, Gautam Buddha Bird Sanctuary, Vikramshila Gangetic Dolphin Sanctuary, Kanwar Jheel Bird Sanctuary

32. Answer: d

Explanation:

The correct answer is Compression.

★ Key Points

- A **sound wave** is a pattern of disturbance caused by the energy travelling away from the source of the sound.
- Sound waves are **longitudinal waves**.
- **Higher frequency** corresponds to a higher pitch while a lower frequency corresponds to a lower pitch.
- **Amplitude** corresponds to the loudness of the sound.
- Since sound at all frequencies has the same speed in the air, a change in frequency means a change in **wavelength**.
- The sound waves travel the fastest through solids.
- The speed of sound is the lowest in gases.
- The number of **rarefactions and compressions** that occur per unit of time is known as the frequency of a sound wave.

★ Additional Information

- Electromagnetic waves are not a characteristic of a sound wave.
- Electromagnetic waves differ from mechanical waves in that they do not require a medium to propagate.
- This means that electromagnetic waves can travel not only through the air and solid materials but also through the vacuum of space.
- Radio waves, microwaves, infrared, light, ultraviolet, X-rays, and gamma rays, all of these waves form part of the electromagnetic spectrum.

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33. Answer: c

Explanation:

The correct answer is Arunachal Pradesh.

★ Key Points

- A group of researchers have recorded a new serpent and named it **Salazar's pit viper**.
- The new species, Trimeresurus Salazar is the fifth variety of reptiles to have been discovered in **Arunachal Pradesh** in a little more than a year.

- The name was inspired by **Salazar Slytherin**, the co-founder of **J.K. Rowlings'** fictional **Hogwarts School of Witchcraft and Wizardry**.

★ Additional Information

- **Arunachal Pradesh:**
 - **State Animal** - Gayal.
 - **State Bird** - Great Hornbill.
 - **National Parks** - Mouling National Park, Namdapha National Park.
 - **Dams** - Dibang Dam (Dibang River), Ranganadi Dam (Ranganadi River), Subansiri Lower Dam (Subansiri River).

34. Answer: a

Explanation:

The correct answer is P. V. Narasimha Rao.

★ Key Points

- The Insider is an account of the political scenario of India during the time of the former Prime Minister P.V. Narasimha Rao, who is the author of the book.
- Pamulaparathi Venkata Narasimha Rao (28 June 1921 – 23 December 2004) was an Indian lawyer and politician who served as the 9th Prime Minister of India from 1991 to 1996.
- He is often referred to as the "Father of Indian Economic Reforms".
- He employed Dr. Manmohan Singh as his Finance Minister to embark on a historic economic transition.
- Rao was also referred to as Chanakya for his ability to steer economic and political legislation through the parliament at a time when he headed a minority government.

★ Additional Information

- **Dr. Oscar Fernandes** was an Indian politician, a senior Indian National Congress leader and was the Union Cabinet Minister for Transport, Road and Highways

and Labour and Employment, Government of India in UPA government.

- **Kunwar Natwar Singh**, IFS is an Indian diplomat and politician who served as the Minister of External Affairs from May 2004 to December 2005.
- **Manmohan Singh** is an Indian politician, economist and statesman who has been the 13th prime minister of India from 2004 to 2014.
 - He is also the third longest serving prime minister after Jawaharlal Nehru and Indira Gandhi.

35. Answer: d

Explanation:

The correct answer is Uttarakhand.

★ Key Points

- Hurka Baul is a dance form prevalent in the state of **Uttarakhand**.
- The Hurkiya Baul dance is done in the fields while paddy and maize are being grown.
- After executing the preceding ceremony on a set day, the dance is done in several fields to various tunes.

★ Additional Information

- The dance is named after the Hurka, which is the drum that provides musical accompaniment to the dance, and Baul, which is the song.
- The only musical instrument used in the dance is the hurka.
- The singer relates the story of conflicts and heroic acts slowly and interestingly in the Hurka Baul dance performance. The actors usually arrive from two directions and execute the story in a sequence of snappy motions and appealing dancing styles.
- Other important dance forms of Uttarakhand are
 - PandavNritya,
 - Bhotia Dance,
 - Cholia Dance,
 - Jhora Dance, and

- Mukhota Dance .

36. Answer: b

Explanation:

The correct answer is Rakhigarhi.

★ Key Points

- The port cities of the Indus Valley Civilisation are
 - Sutkagendor,
 - Balakot,
 - Lothal,
 - A Ilahdino, and
 - Kuntasi.
- Rakhigarhi is NOT a port town of the Indus Valley Civilisation.

★ Additional Information

- **Rakhigarhi** is the largest Harappan site in the Indian subcontinent.
- At Rakhigarhi, excavations are being done to trace its beginnings and to study its gradual evolution from 6000 BCE (Pre-Harappan phase) to 2500 BCE.
- The site was excavated by Amarendra Nath of ASI.
- The site is located in the Sarasvati river plain, some 27 km from the seasonal Ghaggar river.
- In May 2012, the Global Heritage Fund, declared Rakhigarhi one of the 10 most endangered heritage sites in Asia.

37. Answer: a

Explanation:

The correct answer is Father of Indian unrest.

★ Key Points

- The book ' Indian Unrest' written by Valentine Chirol, Stated Tilak the "Father of Indian unrest" .
 - He was also given the title of " Lokmanya " which means accepted by the people.
 - Bal Gangadhar Tilak was born on 23 rd July 1856 in Maharashtra.
 - He was an extremist leader and actively participated in the struggles of the Indian national movement.
 - He stressed the need for self-rule.
 - He was a prominent Extremist leader.

★ Additional Information

- He started a Marathi newspaper called " Kesari " and Maratha in English.
- He wrote " Arctic Home in the Vedas " and " Gita Rahashya " .
- Bal Gangadhar Tilak popularised the Vinayaka Chaturthi festival to be held in public so as to reduce the gap between Brahmins and Non-brahmins.
- V. O. Chidambaram is an ardent follower of Bal Gangadhar Tilak.
- Bal Gangadhar Tilak set up his Indian Home Rule League in April 1916 .
- Bal Gangadhar Tilak held his first Home Rule meeting at Belgaum . Poona was the headquarters of his league.

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38. Answer: c

Explanation:

The Correct Answer is Article 72.

★ Key Points

- The pardoning powers of the President come under **Article 72** of the constitution.
- **Article 72** of the Constitution empowers the President to grant pardons to persons who have been tried and convicted of any offence in all cases where the:

- Punishment or sentence is for an offence against a Union Law.
- Punishment or sentence is by a court-martial (military court).
- The Sentence is a sentence of death.

★ **Additional Information**

- Pardon : To free the criminal from all Punishments.
- Commutation: To substitute one form of punishment with another without changing the sentence i.e reduction of a judicial sentence, especially a sentence of death to the another less severe punishment.
- Respite : Change the nature of punishment due to some special condition i.e awarding lesser punishment due to the pregnancy of women offenders.
- Reprieve : Temporarily deferred punishment.
- Remission : Reducing the period of a sentence without changing its character.

39. **Answer: d**

Explanation:

The correct answer is 75%.

★ **Key Points**

- The National Food Security Act (NFSA 2013) is also known as the Right to Food Act .
- The act includes Midday Meal Scheme , Public Distribution System (PDS) , and Integrated Child Development Services Scheme, and also recognizes maternity entitlements .
- The Midday Meal Scheme and the Integrated Child Development Services Scheme are for the benefit of every eligible individual whereas the PDS will reach about two-thirds of the population i.e 50% in urban areas and 75% in rural areas .
- Under PDS beneficiaries are entitled to 5 Kilograms of cereals per person per month and the prices of cereals are Rice at Rs 3 and Wheat at Rs 2 Per Kilograms .

★ Additional Information

- It provides food and nutritional security life at affordable prices i.e subsidized food grains to approximately two-thirds of India's 1.2 billion people.
- The act was enacted by Manmohan Singh's Indian National Congress-led UPA (United Progressive Alliance) Government .
- The act was introduced in the Parliament on 22nd December 2011 , promulgated a presidential ordinance on 5th July 2013 , signed on 10th September 2013 , and enacted into law on 12th September 2013 .
- Daily free cereals were provided to eligible lactating mothers, pregnant women, and certain categories of children .
- The Antyodaya Anna Yojana was launched on 25th December 2000 under the Prime Ministership of Atal Bihari Vajpayeeji .
- The Antyodaya Anna Yojana aimed to provide highly subsidized food to millions of the poorest families .

40. Answer: d

Explanation:

The correct answer is India.

★ Key Points

- India to host Cricket World Cup 2023.
- The 2023 Men's ICC Cricket World Cup will be the 13th edition of the ICC Men's Cricket World Cup , scheduled to be hosted by India during October and November 2023.

★ Additional Information

- There are 12 ICC World Cups that have been played so far.
- England Wales has hosted the Cricket World Cup 5 times.
- India has hosted the Cricket World Cup 3 times in association with three other countries but now India will host the Cricket World Cup 2023 alone.

- This will be the first time that Cricket World Cup 2023 would be completely held on Indian soil.
 - 2011 -India, Sri Lanka, Bangladesh
 - 2015 - Australia, New Zealand
-

41. Answer: c

Explanation:

The correct answer is Sumit Nagal.

★ Key Points

- Sumit Nagal became the first Indian tennis player to win a round at a Grand Slam in seven years when he downed American Bradley
- Someday verman was the last Indian to win a main draw match, it was in 2013 when he beat Slovakia's Lukas Lacko
- Sumit Nangal is from Harayana, Jhajjar districts

★ Additional Information

- **Prajnesh Gunneswaran** is an Indian tennis player.
 - He has won 2 ATP Challenger and 8 ITF titles in singles and 1 ITF title in doubles.
 - **Mukund Sasipisun** is an Indian tennis player.
 - Sasipisun has a career high ATP singles ranking of 229 achieved on 17 October 2019.
 - **Ramanathan Ramkumar** is an Indian professional tennis player.
-

42. Answer: b

Explanation:

The correct answer is 1765.

★ Key Points

- The Mughal Emperor Shah Alam II granted the Diwani of Bengal, Bihar, and Orissa to the East India Company in **1765**.
- Diwani of Bengal- Result of Battle of Buxar
 - The Battle of Buxar was fought between the British and the combined forces of Mir Qasim, Shuja Ud Daulah who was the Nawab of Awadh, and the Mughal Emperor Shah Alam II. This battle was won by the Britishers.
 - The result of this battle was, the Diwani that is the right to collect the revenue of Bengal, Bihar, and Odisha was sanctioned to the British by the Mughal Emperor in return for an annual sum of money and in the districts of Allahabad and Kora.

★ Additional Information

- Treaty of Allahabad
 - The Treaty of Allahabad was signed on 12 August 1765, between the Mughal Emperor Shah Alam II, son of the late Emperor Alamgir II, and Robert Clive, of the East India Company, in the aftermath of the Battle of Buxar of 23 October 1764.
 - The treaty was handwritten by I'tisam-ud-Din, a Bengali Muslim scribe and diplomat to the Mughal Empire.
 - The Treaty marked the political and constitutional involvement and the beginning of British rule in India.
 - Based on the terms of the agreement, Alam granted the East India Company Diwani rights, or the right to collect taxes on behalf of the Emperor from the eastern province of Bengal-Bihar-Orissa.
 - These rights allowed the company to collect revenue directly from the people of Bengal, Bihar, and Orissa.

43. **Answer: c**

Explanation:

The correct answer is South Asia.

★ Key Points

- **South Asia** is the fastest growing in human development progress as per the 'Human Development Report 2019'.
- This region in human development progress **witnessed a 46% growth from 1990–2018**.
- It is followed by **East Asia and the Pacific at 43%**.

★ Additional Information

- India ranked 131 among 189 countries on the Human Development Index (HDI) for 2019, slipping two places from the previous year, according to the Human Development Report (HDR) 2020.
- The HDI is a statistical tool used to measure a country's overall achievement in its social and economic dimensions.
- The three dimensions included in the HDI index are:
 - Long and Healthy Life
 - Knowledge
 - Decent Standard of Living

44. Answer: c

Explanation:

The correct answer is It is a life-saving gas.

★ Important Points

- Carbon monoxide (CO) is produced due to **incomplete** combustion of fossil fuels, metallurgical operations, automobile emission, cigarette smoking.
- It is combustible, may serve as a fuel source and can form explosive mixtures with air.
- It easily combines with haemoglobin and produces carboxyhaemoglobin which **impairs oxygen transport resulting** in headache, decreased vision, cardiovascular disease, and asphyxia.
 - **It reduces the oxygen-carrying capacity of the blood.**

- It is only slightly soluble in water, blood serum and plasma.
- It is a colourless and odourless gas.
- It is not a persistent pollutant as such it combines with oxygen to form CO₂, which is further removed from the atmosphere naturally by the process of photosynthesis.
 - Hence It is not a life-saving gas.

45. Answer: b

Explanation:

The correct answer is State Bank of India .

★ Key Points

- On 30 April 1955 , the Imperial Bank of India has renamed the State Bank of India .
- The Imperial Bank of India was founded by J. M. Keynes on 27 January 1921.
- It was an amalgamation of the three Presidency Banks- Bank of Bengal, Bank of Madras, and Bank of Bombay.
- Its headquarters is in Mumbai, Maharashtra.

★ Additional Information

- Imperial Bank of India was established on 27 January 1921 .
- It was done by merging three presidential banks into a single banking entity.
 - Bank of Bengal (2 June 1806)
 - Bank of Bombay (15 April 1840)
 - bank of Madras (1 July 1843)
- It was one of the oldest and largest banks in the Indian sub-continent.
- Initially, it acted as Central Bank for British India , before the establishment of the Reserve Bank of India in 1935.
- Headquarters: Bombay, Bombay State, India.

46. Answer: a

Explanation:

The correct answer is Bhupender Yadav.

★ Key Points

- Environment, Forest, and Climate Change Minister Bhupender Yadav dedicated the first functional Smog Tower in India at Anand Vihar, Delhi on 7 September 2021 .
- The smog tower is a structure designed as a large-scale air purifier to reduce pollution particles in surrounding areas.
- Built by Tata Company , the tower has a capacity of 1,000 cubic metres per second.

★ Important Points

- The smog tower at Anand Vihar, with a height of over 20 metres , is of downdraft type - polluted air comes in from the top of the tower and clean air comes out of the bottom - and is intended for the localised reduction in particulate matter.
- The filtration system used in the tower has been designed by the University of Minnesota with an expected efficiency of 90 per cent.
- Forty fan units have been installed to provide a design airflow rate of 1,000 m³/sec

47. Answer: d

Explanation:

The correct answer is 1921.

★ Important Points

- Great Divide in the demographic history of India
 - The year 1921 is taken as the demographic divide for the reason that before this year, the population was not stable, sometimes it increased and at other times it decreased.
 - Prior to 1921, the course of population growth was undulating (several ups and downs, mainly because of mortality differentials).
 - From 1911–to 1921, India experienced a negative growth rate in its population.
 - After 1921, Mortality started declining as a result of improvements in public health measures while fertility remains unchanged. Which caused a continuous and rapid increase in population growth rate in upcoming decades.
 - India's population grew slowly till the 1920s.
 - The year 1921 is a " year of the great divide " in the demographic history of India when mortality started to decline leading to an acceleration in the rate of population growth.
 - During the next three decades (1921–51) the rate of population growth continued at a level of over one per cent per annum.
 - The slight dip in the growth rate in 1941–51 partly reflects the Bengal famine of 1942–43 and dislocation due to the partition of India in 1947.
 - After independence, the rate of population growth accelerated considerably because of the extension of public health services. It is growing increasingly since then.

48. Answer: c

Explanation:

The correct answer is A Sivathanu Pillai.

★ Key Points

- Dr AS Pillai has authored the book "40 Years with Abdul Kalam- Untold Stories".
- The author had the opportunity of working with this great soul closely for more than four decades and shared difficulties, failures, and successes.

- This book discusses many of the interesting events, mostly the untold ones, during this journey, including those at ISRO, DRDO, and BrahMos, and interactions with the corridors of power.
- Manufacturing is the key to economic prosperity and the chapter on Strategic Industries gives a complete insight into how India has steadily progressed in modern India.
- It was a long and unique journey for the author with the most appreciated true Indian, KALAM the Brahmarishi.

★ Additional Information

- Dr Abdul Kalam, a great human being, established a unique place in the hearts of Indians with his admirable virtues and combined a simple lifestyle with strong willpower to envision an empowered nation.
- Without any ego, he could adapt himself to the situation to win over the person in front of him or would instantly become a captivating communicator to the audience. Everyone, irrespective of age, position, or religion, who met him on different occasions, celebrates him as a friend.
- As the eleventh President of India, he totally changed the perception of India in the global arena.

49. Answer: c

Explanation:

The correct answer is Gandharva marriage.

★ Key Points

- **Gandharva marriage** is a kind of love marriage which is called the Gandharva vivah.
- In this marriage, there is no need for family permission so no consent of their family .
- It does not allow any space of dowry or any kind of varna relation.

★ Additional Information

Type of marriage	Description
Brahma Vivah	Marriage of a girl with the boy of same Varna while observing all the Vedic rites and rituals along with dowry
Daiva Vivah	Father donated his daughter to a priest as a part of Dakshina
Arsha Vivah	Giving the girl to a man after accepting the bride price
Prajapatya Vivah	Marriage without dowry
Gandharva Vivah	Love marriage
Asura Vivah	Marriage by Purchase of bride
Paisach Vivah	Marriage to a girl after seducing or raping her
Rakshasa Vivah	Marriage by the abduction of a girl

50. Answer: d

Explanation:

The correct answer is IDBI Bank.

★ Key Points

- IDBI Bank has introduced banking services on WhatsApp for its customers.
- This launch is a part of sustained initiatives the Bank has taken to enable customers to access banking services remotely at their convenience.
- WhatsApp Banking service will be offered through a dedicated WhatsApp-verified number ensuring end-to-end encryption.

★ Additional Information

- Whatsapp was launched in the year 2009 in California, the USA .
- It was co-founded by Jan Koum and Brian Acton .
- Facebook Inc . acquired the company in February 2014 for \$19bn .
- Abhijit Bose is the head of Whatsapp in India.
- India is the biggest market for Whatsapp with 400 million users.

51. Answer: b

Explanation:

Given:

A boat takes 40% less time to travel a certain distance in still water than to cover two times of the same distance downstream.

Concept used:

Time = Distance/Speed

Downstream = $u + v$

Here,

u = speed of the object

v = speed of the stream

The speed of the boat in still water is 25 km/h

Calculation:

Let the speed of the stream be ' v '

$$\frac{x}{25} = \frac{60}{100} \times \frac{2x}{25+v}$$

$$\Rightarrow \frac{x}{25} = \frac{3}{5} \times \frac{2x}{25+v}$$

$$\Rightarrow \frac{x}{25} = \frac{6x}{125+5v}$$

$$\Rightarrow 125 + 5v = 150$$

$$\Rightarrow 5v = 25$$

$$\Rightarrow v = 5$$

So, speed of the stream = 5 km/h

\therefore The speed (in km/h) of the stream is 5.

52. Answer: d

Explanation:

Given:

Pipes A and B can fill a tank in 36 minutes and 45 minutes

Concept used:

Total work = Time taken by the pipes \times efficiency of the pipes

Calculation:

Let the efficiency of the leakage be $(-x)$ units/minute

LCM of 36 and 45 = 180 i.e total work

So, efficiency of pipe A and B = $180/36 = 5$ units/minute, $180/45 = 4$ units/minute

According to the question,

$$(9 - x) \times 20 + 15 \times 9 = 180$$

$$\Rightarrow 180 - 20x + 135 = 180$$

$$\Rightarrow -20x = -135$$

$$\Rightarrow x = 135/20 \text{ or } 27/4$$

So, leakage can empty the tank = $180 / (27/4)$

$$\Rightarrow 180 \times (4/27)$$

$$\Rightarrow 80/3$$

$$\Rightarrow 26\frac{2}{3} \text{ minutes}$$

\therefore The leak alone can empty the full tank in $26\frac{2}{3}$ minutes.

53. Answer: c

Explanation:

Given:

Time = 4 years, and 6 years

Formula used:

$$S.I = (P \times r \times t) / 100$$

where

P = Sum of money,

r = Rate, and t = Time

Calculation:

Let the principal be P and the rate of interest be R%.

Then,

$$S.I \text{ for 4 years} = (P \times R \times 4) / 100$$

$$S.I \text{ for 6 years} = (P \times R \times 6) / 100$$

$$\text{So, the required ratio} = [(P \times R \times 4) / 100] / [(P \times R \times 6) / 100]$$

$$\Rightarrow 4PR/6PR$$

$$\Rightarrow 4/6 = 2 : 3$$

\therefore The ratio will be 2 : 3.

54. Answer: d

Explanation:

Given:

Concrete consists of 3 parts of lime, 7 parts of gravel and 6 parts of sand.

Calculation:

$$\text{Ratio of lime : gravel : sand} = 3 : 7 : 6$$

Now,

In 800 kg of concrete,

$$\text{Gravel} = 800 \times [7/(3 + 7 + 6)]$$

$$\Rightarrow 800 \times (7/16)$$

$$\Rightarrow 350$$

So, required gravel = 350 kg

\therefore Gravel is 350 (in kg).

55. Answer: b

Explanation:

Given:

$$\frac{45 + \frac{6}{7} \text{ of } 21 - 8}{64 - \frac{3}{5} \text{ of } (28 - 13)}$$

Concept used:

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

Calculation:

$$\frac{45 + \frac{6}{7} \text{ of } 21 - 8}{64 - \frac{3}{5} \text{ of } (28 - 13)}$$

$$\Rightarrow \frac{45 + \frac{6}{7} \text{ of } 21 - 8}{64 - \frac{3}{5} \text{ of } 15}$$

$$\Rightarrow \frac{45 + 18 - 8}{64 - 9}$$

$$\Rightarrow \frac{55}{55}$$

$$\Rightarrow 1$$

∴ The required answer is 1.

56. Answer: b

Explanation:

Given:

A shopkeeper allows a discount of 15% on the marked price of goods and still gains 70% on the whole.

Calculation:

Let the cost price of the goods be $100x$

So, selling price = $100x + 100x \times 70\%$

$\Rightarrow 170x$

According to the question,

Marked price - marked price $\times 15\% = 170x$

$\Rightarrow 0.85\text{Marked price} = 170x$

$\Rightarrow \text{Marked price} = 170x/0.85$

$\Rightarrow \text{Marked price} = 200x$

So, extra = $200x - 100x$

$\Rightarrow 100x$

Required % = $(100x/100x) \times 100$

$\Rightarrow 100$

\therefore He marks his goods 100 percentage above the cost price.

57. Answer: c

Explanation:

Given:

An article was sold at 75% of its marked price and thus gained 25%.

Calculation:

Let the marked price be ₹100

So, selling price = $100 \times 75\%$

$\Rightarrow ₹75$

Now,

Cost price + Cost price $\times 25\% = 75$

$\Rightarrow 1.25\text{cost price} = 75$

$\Rightarrow \text{Cost price} = 75/1.25$

$\Rightarrow 60$

\therefore The cost price of the article is ₹60.

58. Answer: d

Explanation:

Given:

Total amount = ₹15,000

A gets 20% more than B and B gets 25% more than C

Calculation:

$A = B + B \times 20\%$

$\Rightarrow A = 1.2B$

Again,

$B = C + C \times 25\%$

$\Rightarrow B = 1.25C$

So, $A = 1.2 \times 1.25C$

$$\Rightarrow 1.5C$$

Now,

$$A + B + C = 15000$$

$$\Rightarrow 1.5C + 1.25C + C = 15000$$

$$\Rightarrow 3.75C = 15000$$

$$\Rightarrow C = 15000/3.75$$

$$\Rightarrow C = 4000$$

So, C's share = ₹4,000

∴ The share of C is ₹4,000.

59. Answer: c

Explanation:

Given:

Ajay can complete $\frac{5}{12}$ of a task in 20 days.

Calculation:

$\frac{5}{12}$ of the work can be completed in 20 days

$$\text{So, total work will take} = 20 \times \frac{12}{5}$$

$$\Rightarrow 48 \text{ days}$$

Now,

$$\text{To complete } \frac{3}{4} \text{ of the task Ajay will take} = 48 \times \frac{3}{4}$$

$$\Rightarrow 36 \text{ days}$$

∴ He can complete $\frac{3}{4}$ of the task in 36 days.

60. Answer: d

Explanation:

Given:

$$\frac{\frac{3}{4} \times 1\frac{1}{2} \div 2\frac{1}{4} + 5\frac{1}{2} \div 3\frac{2}{3} \text{ of } \frac{2}{5}}{\frac{4}{5} \text{ of } 7\frac{1}{2} \div \frac{3}{4}}$$

Concept used:

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

Calculation:

$$\frac{\frac{3}{4} \times 1\frac{1}{2} \div 2\frac{1}{4} + 5\frac{1}{2} \div 3\frac{2}{3} \text{ of } \frac{2}{5}}{\frac{4}{5} \text{ of } 7\frac{1}{2} \div \frac{3}{4}}$$

$$\Rightarrow \frac{\frac{3}{4} \times \frac{3}{2} \div \frac{9}{4} + \frac{11}{2} \div \frac{11}{3} \text{ of } \frac{2}{5}}{\frac{4}{5} \text{ of } \frac{15}{2} \div \frac{3}{4}}$$

$$\Rightarrow \frac{\frac{3}{4} \times \frac{3}{2} \div \frac{9}{4} + \frac{11}{2} \div \frac{22}{15}}{6 \div \frac{3}{4}}$$

$$\Rightarrow \frac{\frac{3}{4} \times \frac{3}{2} \times \frac{4}{9} + \frac{11}{2} \times \frac{15}{22}}{6 \times \frac{4}{3}}$$

$$\Rightarrow \frac{\frac{1}{2} + \frac{15}{4}}{8}$$

$$\Rightarrow \frac{2+15}{8}$$

$$\Rightarrow \frac{17}{8}$$

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∴ The required answer is $\frac{17}{32}$.

61. Answer: d

Explanation:

Given:

A man travelled from place A to B at 30 km/h and from B to C at 45 km/h.
His average speed for the whole journey was 40 km/h.

Formula used:

Average speed = Total distance / Total time

Calculation:

Let the distance between A and B be x km and the distance between B and C be y km.

According to question,

$$(x + y) / (x/30 + y/45) = 40$$

$$\Rightarrow [(x + y) / \{(6x + 4y)/180\}] = 40$$

$$\Rightarrow 180x + 180y = 40(6x + 4y)$$

$$\Rightarrow 180x + 180y = 240x + 160y$$

$$\Rightarrow 240x - 180x = 180y - 160y$$

$$\Rightarrow 60x = 20y$$

$$\Rightarrow x : y = 1 : 3$$

∴ The required ratio is 1 : 3.

62. Answer: a

Explanation:

Given:

The surface area of a solid cube is 726 cm²

Radius of the cylinder = 11 cm

Formula used:

Total surface area of cube = $6(\text{side})^2$

Volume of cube = $(\text{side})^3$

Calculation:

$$6(\text{side})^2 = 726$$

$$\Rightarrow (\text{Side})^2 = 726/6$$

$$\Rightarrow \text{Side} = 11 \text{ cm}$$

$$\text{So, volume of the cube} = (11)^3 = 1331 \text{ cm}^3$$

Let the height of the cylinder be h

According to the question,

$$\pi \times 11^2 \times h = 1331$$

$$\Rightarrow \frac{22}{7} \times 121h = 1331$$

$$\Rightarrow \frac{22}{7} h = 11$$

$$\Rightarrow h = 11 \times \frac{7}{22}$$

$$\Rightarrow h = 3.5$$

∴ The height (in cm) of the cylinder is 3.5.

63. Answer: b

Explanation:

Given:

The cost price of the article is ₹600.

The sales price of an article, including the sales tax, is ₹772.8.

Profit = 15%

Concept used:

Selling price = Cost price + Cost price × profit%

Calculation:

According to the question,

Selling price without sales tax = $600 + 600 \times 15\%$

⇒ 690

So, amount of sales tax = $772.8 - 690$

⇒ 82.8

% of sales tax = $(82.8/690) \times 100$

⇒ 12

∴ The rate of sales tax is 12%.

64. Answer: c

Explanation:

Given:

A number when divided by 65, gives 31 as the remainder.

Calculation:

Let the number be $(65x + 31)$ [As $65 > 31$]

Now,

When we divide $65x$ with 13 we get 0 as the remainder

Again

If we divide 31 with 13 we get 5 as the remainder

So, the required remainder = 5

\therefore The same number when divided by 13, gives the remainder of 5.

65. Answer: d

Explanation:

Given:

546789x531y is divisible by 88

Concept used:

1) If the last three digits of a number are divisible by 8, then the number is completely divisible by 8

2) If the difference of the sum of alternative digits of a number is 0 or divisible by 11, then that number is divisible by 11 completely.

3) If any number is completely divisible by 88 then the number is also completely divisible by 8 and 11

Calculation:

Given number is completely divisible by 88 then it is also divisible by 11 and 8

When the number is divisible by 8 then,

$31y$ is divisible by 8 when $y = 2$ ----(1)

When the number is divisible by 11 then,

$(5 + 6 + 8 + x + 3 + y) - (4 + 7 + 9 + 5 + 1)$

$\Rightarrow 22 + x + y - 16$

$\Rightarrow x + y - 4$

$\Rightarrow x + 2 - 4$ ----(From eq (1))

$\Rightarrow x - 2$

Now,

For $x = 2$,

$x - 2 = 0$

So, $x = 2$

Now,

$(x - y)$

$\Rightarrow 2 - 2$

$\Rightarrow 0$

\therefore The required answer is 0.

66. Answer: b

Explanation:

Given:

20 persons were engaged to complete a work in 8 days.

4 persons left the job after 4 days

Concept used:

Total work = Total time taken by the workers × efficiency of the workers

Calculation:

Let the efficiency of each worker be x units/day

So, total work = $20x \times 8$

⇒ $160x$

In 4 days work completed = $20x \times 4$

⇒ $80x$

Remaining work = $160x - 80x$

⇒ $80x$

Required time = $80x/16x$ [As 4 workers left due to COVID 19]

⇒ 5 days

So, total time = $4 + 5$

⇒ 9 days

∴ The total number of days required to complete the work is 9.

67. Answer: b

Explanation:

Given:

Principle = Rs. 50,000

Time = 2 years

Rate = 2%

Concept Used:

$$A = P(1 + R/100)^n,$$

Where,

A is amount,

P is principle,

R is rate of interest

n is number of years

Calculation:

Using the formula,

For 1st year,

$$\Rightarrow A = 50,000(1 + 2/100) = 50,000 \times 102/100 = 51,000$$

For 2nd year,

$$\Rightarrow A = 50,000(1 + 2/100)^2 = 50,000(51/50)^2$$

$$\Rightarrow A = 50,000 \times 51/50 \times 51/50 = 52,020$$

$$\text{Difference} = 52020 - 51000 = 1020$$

∴ Difference in the amount is Rs. 1,020.

68. Answer: c

Explanation:

Given:

The marked price of an article is ₹500. After giving three successive discounts of x%, 20% and x%, it is sold for ₹309.76.

Concept used:

Marked price × (100 - discount)%

Calculation:

According to the question,

$$500 \times \frac{100-x}{100} \times \frac{80}{100} \times \frac{100-x}{100} = 309.76$$

$$\Rightarrow 400 \times \frac{100-x}{100} \times \frac{100-x}{100} = 309.76$$

$$\Rightarrow \frac{4(100-x)^2}{100} = 309.76$$

$$\Rightarrow \frac{(100-x)^2}{100} = 77.44$$

$$\Rightarrow (100 - x)^2 = 7744$$

$$\Rightarrow (100 - x)^2 = 88^2$$

$$\Rightarrow (100 - 12)^2 = 88^2$$

$$\text{So, } x = 12$$

∴ The value of x is 12.

69. Answer: c

Explanation:

Given:

Length and breadth of rectangular field = 20m and 10m respectively

Increase in length = 10%

Decrease in breadth = 20%

Concept used:

Area of a rectangle = Length \times Breadth

Calculation:

The old area of the rectangular field = $20 \times 10 = 200 \text{ m}^2$

New length = $20 \times 110\% = 22 \text{ m}$

$= 10 \times 80\% = 8 \text{ m}$

$= 22 \times 8 = 176 \text{ m}^2$

Ratio = $200 : 176 = 25 : 22$

\therefore The ratio of the old area to the new area will be 25: 22.

70. Answer: d

Explanation:

Given:

Six years ago, the average age of A, B and C was 29 years.

Eight years ago, the average age of A and C was 27 years.

Concept used:

Average = Sum of elements/Number of elements

Calculation:

Total age of A, B, and C 6 years ago = 29×3

⇒ 87

Total age now = $87 + (3 \times 6)$

⇒ $87 + 18$

⇒ 105 years

Again,

Total age of A and C 8 years ago = 27×2

⇒ 54

Total age now = $54 + (2 \times 8)$

⇒ $54 + 16$

⇒ 70 years

So, the present age of B = $105 - 70$

⇒ 35 years

∴ The present age (in years) of B is 35.

71. Answer: b

Explanation:

Given:

The average weight of 20 girls in a school was 52 kg

Two new students of weight 54 kg and 50 kg were admitted

Concept used:

Average = Sum of elements/No. of elements

Calculation:

Total weight of 20 girls = 52×20

⇒ 1040 kg

After two new students total weight = $1040 + 54 + 50$

⇒ 1144

New average = $1144 / (22)$

⇒ 52 kg

Ratio = 52 : 52

⇒ 1 : 1

∴ The ratio of this new average to the old one is 1 : 1.

72. Answer: c

Explanation:

Given:

A sum of ₹600 becomes ₹850 in 3 years at simple interest.

Concept used:

$$S.I = (P \times T \times R)/100$$

Here,

P = Sum

T = Time

R = Rate

Calculation:

Let the rate be R

Now,

$$\text{Interest} = 850 - 600$$

$$\Rightarrow 250$$

According to the question,

$$250 = (600 \times 3 \times R)/100$$

$$\Rightarrow 250 = 18R$$

$$\Rightarrow R = 250/18$$

$$\Rightarrow R = \frac{125}{9}$$

$$\text{So, rate} = \frac{125}{9} \%$$

\therefore The rate percent is $\frac{125}{9} \%$.

73. Answer: a

Explanation:

Given:

Ram gave 60% of the money to his wife

Gave 20% of the remaining money to each one of his 2 children

Spent $\frac{3}{5}$ of left money

Remaining amount is Rs. 9,600

Calculation:

Let the total amount be Rs. 10,000

Money gave to his wife,

$$60\% \text{ of } 10,000 = \frac{60}{100} \times 10,000 = 6,000$$

$$\text{Remaining} = 10,000 - 6,000 = 4,000$$

20% of 4,000 to each children,

$$\Rightarrow \frac{20}{100} \times 4,000 = 800$$

Total amount to children = $2 \times 800 = 2,400$ (because he has 2 children)

$$\text{Remaining amount} = 4,000 - 2,400 = 1,600$$

$$\text{Spent } \frac{3}{5} \text{ of } 1,600 = \frac{3}{5} \times 1,600 = 960$$

$$\text{Remaining amount} = 1,600 - 960 = 640$$

According to the question,

$$\Rightarrow 640 = 9,600$$

$$\Rightarrow 1 = \frac{9,600}{640} = 15$$

$$\text{Money gave to Wife} = 6,000 \times 15 = 90,000$$

\therefore The money Ram gave to his wife is Rs. 90,000

74. Answer: c

Explanation:

Given:

Difference between 40% of a number and 30% of the same number is 70

Calculation:

Let the number be $100x$

Now,

$$\text{So, } 40\% \text{ of } 100x = 100x \times (40/100)$$

$$\Rightarrow 40x$$

$$30\% \text{ of } 100x = 100x \times (30/100)$$

$$\Rightarrow 30x$$

$$\text{Difference} = 40x - 30x$$

$$\Rightarrow 10x$$

Here,

$$10x = 70$$

$$\Rightarrow x = 7$$

$$\text{So, } 100x = 100 \times 7$$

$$\Rightarrow 700$$

So, the number is 700

\therefore The required answer is 700.

75. Answer: b

Explanation:

Given:

The cost price of an article is ₹2,250, which is 25% below the marked price. If t

The article is sold at 15% discount

Concept used:

Selling price = Marked price (100 - Discount)%

Profit% = (Profit/Cost price) × 100

Calculation:

Marked price - Marked price × 25% = 2250

⇒ 0.75 Marked price = 2250

⇒ Marked price = 2250/0.75

⇒ Marked price = 3000

So, selling price = 3000 - 3000 × 15%

⇒ 3000 - 450

⇒ 2550

Profit = 2550 - 2250

⇒ 300

Profit % = (300/2250) × 100

⇒ 13.33%

∴ 13.33% profit is made on the transaction.

76. Answer: b

Explanation:

The correct answer is option 2) i.e. 'are some boring patches . '

★ Key Points

- The error lies in Part (**is few boring patches**) of the sentence.
- As per instructions, the remaining portion of the sentence is correct.
- According to the rules of adjectives, '**some**' and '**few** are quantifiers.
- 'Few' is used to refer to countable numbers which are very finite.
- '**Some**' is used to refer to uncountable numbers and the quantity of which is unknown.
- Here, the '**boring patches**' in the well-written book are uncountable nouns.
- Therefore, in the erroneous part, the use of 'is few' in the sentence should be replaced with 'are some' to make it grammatically correct .
- Therefore, the correct answer is Option 2.

Correct sentence: *The book is well-written but there **are some boring patches** in it.*

77. Answer: a

Explanation:

The correct answer is option 1) i.e. 'Disappear.'

★ Key Points

- Let's look at the meanings of the given word and marked option:

Word	Meaning
Emerge	to appear by coming out of something or out from behind something. (किसी चीज से या किसी चीज के पीछे से निकलकर प्रकट होना)
Disappear	(of a person or thing) to go to a place or into a condition where the person or thing cannot be seen. ((किसी व्यक्ति या वस्तु का) किसी स्थान या ऐसी स्थिति में जाना जहाँ व्यक्ति या वस्तु को देखा न जा सके)

- Let's look at the meanings of the other given options:

Word	Meaning
Derive	to get something from something else. (किसी दूसरी वस्तु से कुछ प्राप्त करना)
Surface	the outer or top part or layer of something. (किसी चीज का बाहरी या ऊपरी भाग या परत)
Arise	to come into existence or begin to be noticed; happen; to get out of bed. (अस्तित्व में आना या ध्यान देना शुरू करना; होना; बिस्तर से बाहर निकालने के लिए)

- Hence from the given meanings, we find that 'Emerge' and 'Disappear' are antonyms.
- So, the correct answer is option 1.

★ **Additional Information**

- Let's look at the synonyms and antonyms for the given word 'Emerge':
- Synonyms: appear, arrive, come up, crop up, develop.
- Antonyms: abandon, decrease, disappear, drop, fall.

78. Answer: d

Explanation:

The correct answer is option 4) i.e. 'Mundane.'

★ Key Points

- Let's look at the meaning of the marked option :

Word	Meaning
Mundane	very ordinary and therefore not interesting. (बहुत साधारण और इसलिए दिलचस्प नहीं)

- Example :
 - I don't think Hershel paid much attention to the **mundane** things in life.*
- Let's look at the meanings of the other given options:

Word	Meaning
Familiar	easy to recognize because of being seen, met, heard, etc. before. (पहले देखे, मिले, सुने आदि के कारण पहचानना आसान)
Shallow	not showing serious or careful thought. (गंभीर या सावधान विचार नहीं दिखा रहा है)
Callous	unkind, cruel, and without sympathy or feeling for other people. (निर्दयी, क्रूर और अन्य लोगों के लिए सहानुभूति या भावना के बिना)

- Hence, from the given meanings, we find that 'Mundane' is the correct one-word substitute.
- So, the correct answer is option 4.

Correct one-word substitute: Mundane.

79. **Answer: c**

Explanation:

The correct answer is option 3) i.e. 'venue.'

★ Key Points

- Let's look at the meaning of the words given in the options:

Word	Meaning
venom	a poisonous liquid that some snakes, insects, etc. produce and can put into another animal's body by biting or stinging. (एक जहरीला तरल जो कुछ सांप, कीड़े आदि पैदा करते हैं और काटकर या डंक मारकर दूसरे जानवर के शरीर में डाल सकते हैं)
vent	a small opening that allows air, smoke, or gas to enter or leave a closed space. (एक छोटा उद्घाटन जो हवा, धुएं या गैस को एक बंद स्थान में प्रवेश करने या छोड़ने की अनुमति देता है)
venue	the place where a public event or meeting happens. (वह स्थान जहाँ कोई सार्वजनिक कार्यक्रम या बैठक होती है)
venture	a new activity, usually in business, that involves risk or uncertainty. (एक नई गतिविधि, आमतौर पर व्यवसाय में, जिसमें जोखिम या अनिश्चितता शामिल होती है)

- The context of the sentence is that the entry tickets were in high demand of the place of the public event.
- According to the above-mentioned points, the most appropriate word to fill in the blank is "venue."
- Therefore, the correct answer is Option 3.
- Another example :
 - The **venue** for the FIFA World Cup 2022 is Qatar.

Complete Sentence: *There was a huge demand for entry tickets at the venue.*

80. Answer: c

Explanation:

The correct answer is option 3) i.e. 'Shrewd.'

★ Key Points

- Let's look at the meaning of the given word :

Word	Meaning
Cunning	the quality or skill of being clever at planning something so you get what you want, especially by tricking other people. (किसी चीज़ की योजना बनाने में चतुर होने का गुण या कौशल ताकि आप जो चाहें प्राप्त करें, विशेष रूप से अन्य लोगों को बरगलाकर)

- Let's look at the meaning of the words given in the options:

Word	Meaning
Unusual	different from others of the same type in a way that is surprising, interesting, or attractive. (एक ही तरह के अन्य लोगों से अलग जो आश्चर्यजनक, दिलचस्प या आकर्षक हो)
Prudent	careful and avoiding risks. (सावधान और जोखिम से बचना)
Shrewd	able to judge a situation accurately and turn it to your own advantage. (किसी स्थिति का सही-सही आंकलन करने और उसे अपने लाभ के लिए मोड़ने में सक्षम)
Stray	to travel along a route that was not originally intended. (एक ऐसे मार्ग से यात्रा करना जो मूल रूप से इरादा नहीं था)

- Clearly, the word 'Shrewd' is closest in meaning to the given word 'Cunning'.
- Therefore, the correct synonym of the given word is option 3.

★ **Additional Information**

- Let's look at the synonyms and antonyms for the given word 'Cunning':
- Synonyms: acute, deep, keen, knowing, sharp, slick, smart.
- Antonyms: blunt, coarse, dull, ignorant, obtuse, rough.

81. Answer: c

Explanation:

The correct answer is option 3) i.e. "To waste one's time and energy doing trivial things ."

★ Key Points

- Let's look at the meaning of the given idiom/ phrase:
- The phrase 'To go round in circles' means 'to waste one's time and energy engaging in trivial, aimless, or futile activities and failing to make any progress as a result.' (तुच्छ, उद्देश्यहीन या व्यर्थ गतिविधियों में अपना समय और ऊर्जा बर्बाद करना और परिणामस्वरूप कोई प्रगति करने में असफल होना।)
- *Example:*
 - *The discussion about women's empowerment in our society kept **going round in circles.***
- Hence, the only possible answer is option 3 'To waste one's time and energy doing trivial things,' which exactly resembles the meaning of the given idiom/ phrase.

Correct meaning: *To waste one's time and energy doing trivial things.*

82. Answer: b

Explanation:

The correct answer is option 2) i.e. "Voluntere."

★ Key Points

- The correct spelling is 'Volunteer .'
- 'Volunteer' means 'a person who does something, especially helping other people, willingly and without being forced or paid to do it.' (एक व्यक्ति जो कुछ करता है, विशेष रूप से अन्य लोगों की मदद करता है, स्वेच्छा से और बिना मजबूर या भुगतान किए इसे करने के लिए)
- *Example:*

◦ The NGO is relying on **volunteers** to run the field work and answer the phone calls.

- Therefore, 'Voluntere'is incorrectly spelt among the given options.
- Hence, option 2 is the correct answer.

★ Additional Information

- Let's know the meaning of the other options:

Word	Meaning
Versatile	able to change easily from one activity to another or able to be used for many different purposes. (एक गतिविधि से दूसरी गतिविधि में आसानी से बदलने में सक्षम या कई अलग-अलग उद्देश्यों के लिए उपयोग करने में सक्षम:)
Mercenary	someone interested only in the amount of money that you can get from a situation; a soldier who fights for any country or group that pays them. (कोई व्यक्ति केवल उस राशि में दिलचस्पी रखता है जो आप किसी स्थिति से प्राप्त कर सकते हैं; एक सैनिक जो किसी भी देश या समूह के लिए लड़ता है जो उन्हें भुगतान करता है)
Contingency	something that might possibly happen in the future, usually causing problems or making further arrangements necessary. (कुछ ऐसा जो संभवतः भविष्य में हो सकता है, आमतौर पर समस्याएं पैदा कर रहा है या आगे की व्यवस्था करना आवश्यक है)

83. Answer: a

Explanation:

The erroneous part is option 1) i.e. 'who is .'

★ Key Points

- The error lies in the part'who is.'
- According to the rules of the relative pronoun, 'who' is used to describe people, and 'which' is used to describe objects and places.

- In the given sentence, ' the computer department' is an object, not a person.
- Therefore in the given sentence, we need to use ' which 'in place of' who ' to make the sentence grammatically correct.
- Hence, the correct answer is option 1.

Correct sentence: *I work mainly in the computer department, **which is** the smallest department in the University.*

84. Answer: c

Explanation:

The correct answer is option 3) i.e. 'trapped.'

★ Key Points

- Let's look at the meaning of the words given in the options:

Word	Meaning
saved	to stop someone or something from being killed, injured, or destroyed. (किसी को या किसी चीज को मारे जाने, घायल होने या नष्ट होने से रोकने के लिए)
captured	to take someone as a prisoner, or to take something into your possession, especially by force. (किसी को कैदी के रूप में लेना, या किसी चीज़ को अपने कब्जे में लेना, विशेषकर बल द्वारा)
trapped	a dangerous or unpleasant situation which you have got into and from which it is difficult or impossible to escape. (एक खतरनाक या अप्रिय स्थिति जिसमें आप फंस गए हैं और जिससे बचना मुश्किल या असंभव है)
gripped	to hold very tightly. (बहुत कस कर पकड़ना)

- The context of the sentence is that when the building caught fire, one boy was stuck inside the building and could not escape.

- According to the above-mentioned points, the most appropriate word to fill in the blank is "trapped."
- Therefore, the correct answer is Option 3.
- Another example :
 - *Rescuers used a special device for finding people **trapped** in collapsed buildings.*

Complete Sentence: *One boy was trapped inside when the building caught fire.*

85. Answer: a

Explanation:

The correct answer is option 1) i.e. 'Allow.

★ **Key Points**

- Let's look at the meanings of the given word and marked option:

Word	Meaning
Resist	to refuse to accept or be changed by something; to stop yourself from doing something that you want to do. (किसी चीज़ को स्वीकार करने या बदलने से इंकार करना; अपने आप को कुछ ऐसा करने से रोकना जो आप करना चाहते हैं)
Allow	to admit or agree that something is true; to give permission for someone to do something, or to not prevent something from happening. (स्वीकार करना या सहमत होना कि कुछ सच है; किसी को कुछ करने की अनुमति देना, या कुछ होने से रोकना नहीं)

- Let's look at the meanings of the other given options:

Word	Meaning
Curb	to control or limit something that is not wanted. (किसी ऐसी चीज को नियंत्रित या सीमित करना जो वांछित नहीं है)
Suffer	to experience physical or mental pain. (शारीरिक या मानसिक पीड़ा का अनुभव करना)
Defy	to refuse to obey a person, decision, law, situation, etc. (किसी व्यक्ति, निर्णय, कानून, स्थिति आदि का पालन करने से इंकार करना)

- Hence from the given meanings, we find that ' Resist ' and ' Allow 'are antonyms.
- So, the correct answer is option 1.

★ Additional Information

- Let's look at the synonyms and antonyms for the given word 'Resist ':
- Synonyms: abide, combat, confront, continue, curb, defy.
- Antonyms: accept, aid, allow, assist, discontinue, encourage.

86. Answer: c

Explanation:

The correct answer is option 3) i.e. 'in the warmth . '

★ Key Points

- The error lies in Part (**in the warm**) of the sentence.
- As per instructions, the remaining portion of the sentence is correct.
- According to the rules of nouns, uncountable nouns can not be counted.
- In the erroneous part, the word '**warm**' is an adjective and '**warm of spring**' is not an uncountable noun.
- The word '**warmth**' means 'the quality, state, or sensation of being warm' and it is an uncountable noun.

- Therefore, in the erroneous part, the use of 'warm' in the sentence should be replaced with 'warmth' to make it grammatically correct .
- Therefore, the correct answer is Option 3.

Correct sentence:The snow melts **in the warmth** of spring.

87. Answer: b

Explanation:

The correct answer is option 2) i.e. "To praise oneself . "

★ Key Points

- Let's look at the meaning of the given idiom/ phrase:
- The phrase ' To blow one's own horn 'means ' to talk about oneself or one's achievements especially in a way that shows pride or too much pride.' (अपने बारे में या किसी की उपलब्धियों के बारे में विशेष रूप से इस तरह से बात करना जो गर्व या बहुत अधिक गर्व को दर्शाता है)
- *Example:*
 - *The singer **blew his own horn** to draw the attention of the audience .*
- Hence, the only possible answer is option 2 'To praise oneself,' which exactly resembles the meaning of the given idiom/ phrase.

Correct meaning:*To praise oneself.*

88. Answer: d

Explanation:

The correct answer is option 4) i.e. 'Polygamy . '

★ Key Points

- Let's look at the meaning of the marked option :

Word	Meaning
Polygamy	the fact or custom of being married to more than one person at the same time. (एक ही समय में एक से अधिक व्यक्तियों से विवाह करने का तथ्य या प्रथा)

- Example :
 - *Being a sociology student, Adarsh pointed out that even in societies that allow **polygamy**, monogamy is still the most universally prevalent form of marriage.*
- Let's look at the meanings of the other given options:

Word	Meaning
Polygon	a flat shape with three or more straight sides. (तीन या अधिक सीधी भुजाओं वाला एक सपाट आकार)
Polymorphism	the fact that something such as an animal or organism can exist in different forms. (तथ्य यह है कि एक जानवर या जीव जैसा कुछ अलग-अलग रूपों में मौजूद हो सकता है)
Polygenesis	the hypothetical origination of a race or species from a number of independent stocks. (कई स्वतंत्र स्टॉक से एक नस्ल या प्रजाति की काल्पनिक उत्पत्ति।)

- Hence, from the given meanings, we find that 'Polygamy' is the correct one-word substitute.
- So, the correct answer is option 4.

Correct one-word substitute: Polygamy.

89. Answer: d

Explanation:

The correct answer is option 4) i.e. 'attacked for his conservative . '

★ Key Points

- The error lies in Part (attacked on his conservative)of the sentence.
- As per instructions, the remaining portion of the sentence is correct.
- According to the rules of preposition, 'on' is used to denote when a thing is touching the surface of a place; to denote dates and days.
- Whereas, the preposition 'for' is used to denote intention to give; purpose; the result of something; show an amount of time or distance.
- In the given sentence, the attack on Mohan Rao is the result of his conservative ideas about women.
- Therefore, in the erroneous part, the use of the preposition 'on' in the sentence should be replaced with the preposition 'for' to make it grammatically correct .
- Therefore, the correct answer is Option 4.

Correct sentence:Mr. Mohan Rao has been ***attacked for his conservative*** ideas about women.

90. **Answer: a**

Explanation:

The correct answer is option 1) i.e. 'Constellation .'

★ Key Points

- Let's look at the meaning of the marked option :

Word	Meaning
Constellation	any of the groups of stars in the sky that seem from earth to form a pattern and have been given names. (आकाश में सितारों के समूहों में से कोई भी समूह जो पृथ्वी से एक पैटर्न बनाने के लिए प्रतीत होता है और उसे नाम दिए गए हैं)

- Example :

- The **constellation** Andromeda was personified as a woman with her arms extended and chained by the Greeks.
- Let's look at the meanings of the other given options:

Word	Meaning
Chain	a series of things of the same type connected in a line, or a series of people standing in a line. (एक ही प्रकार की चीजों की एक श्रृंखला एक पंक्ति में जुड़ी हुई है, या एक पंक्ति में खड़े लोगों की एक श्रृंखला है)
Collection	a group of objects of one type that have been collected by one person or in one place. (एक प्रकार की वस्तुओं का समूह जो एक व्यक्ति द्वारा या एक स्थान पर एकत्र किया गया हो)
Congregation	a group of people who have come together in a religious building for worship and prayer. (लोगों का एक समूह जो पूजा और प्रार्थना के लिए एक धार्मिक भवन में एक साथ आया हो)

- Hence, from the given meanings, we find that 'Constellation' is the correct one-word substitute.
- So, the correct answer is option 1.

Correct one-word substitute: Constellation.

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91. Answer: b

Explanation:

The correct answer is option 2) i.e. 'lend'.

★ Key Points

- Let's look at the meaning of the words given in the options:

Word	Meaning
extend	to add to something in order to make it bigger or longer . (किसी चीज को बड़ा या लंबा करने के लिए उसमें कुछ जोड़ना)
lend	(especially money) to give something to someone for a short period of time, expecting it to be given back . ((विशेष रूप से धन) किसी को थोड़े समय के लिए कुछ देना, यह उम्मीद करना कि वह वापस दिया जाएगा)
supply	to provide something that is wanted or needed, often in large quantities and over a long period of time. (कुछ ऐसा प्रदान करना जो वांछित या आवश्यक हो, अक्सर बड़ी मात्रा में और लंबे समय तक)
afford	to be able to buy or do something because you have enough money or time. (आपके पास पर्याप्त पैसा या समय होने के कारण कुछ खरीदने या करने में सक्षम होना)

- The context of the sentence is that my friend requested that I give him a thousand rupees.
- According to the above-mentioned points, the most appropriate word to fill in the blank is "lend."
- Therefore, the correct answer is Option 2.
- Another example :
 - *Could you **lend** me your book?*

Complete Sentence:My friend asked me to lend him a thousand rupees.

92. Answer: c

Explanation:

The correct answer is option 3) i.e. 'Stagger .'

★ Key Points

- Let's look at the meaning of the given word :

Word	Meaning
Shuffle	to walk by pulling your feet slowly along the ground rather than lifting them. (अपने पैरों को उठाने के बजाय धीरे-धीरे जमीन पर खींचकर चलना)

- Let's look at the meaning of the words given in the options:

Word	Meaning
Stand	to be in a vertical state or to put into a vertical state, especially (of a person or animal) by making the legs straight. (खड़ी अवस्था में होना या पैरों को सीधा करके खड़ी अवस्था में लाना, विशेषकर (किसी व्यक्ति या जानवर की)।)
Erect	to raise something to a vertical position. (किसी वस्तु को ऊर्ध्वाधर स्थिति में उठाना)
Stagger	to walk or move with difficulty as if you are going to fall. (कठिनाई से चलना या हिलना जैसे कि आप गिरने वाले हैं)
Order	to do or make something especially for a person who has asked for it. (विशेष रूप से उस व्यक्ति के लिए कुछ करना या बनाना जिसने इसके लिए कहा है)

- Clearly, the word 'Stagger' is closest in meaning to the given word 'Shuffle'.
- Therefore, the correct synonym of the given word is option 3.

★ Additional Information Personal Exams Guide

- Let's look at the synonyms and antonyms for the given word 'Shuffle':
- Synonyms: drag, limp, straggle, stumble.
- Antonyms: rush, run.

93. Answer: a

Explanation:

The erroneous part is option 1) i.e. 'I helped him.'

★ Key Points

- The error lies in the part 'I helped him.'
- According to the rules of conditional sentences, when an action took place in the past and we regret about it, then '**Wish + Past Perfect**' structure is used.
- **Example:**
 - *I wish I had gone to the trip.*
- Here the action took place in the past '**last night.**'
- Therefore in the given sentence we need to use 'I had helped him' in place of 'I helped him' to make the sentence grammatically correct.
- Hence, the correct answer is option 1.

Correct sentence: *I wish I had helped him with his homework last night.*

94. Answer: d

Explanation:

The erroneous part is option 4) i.e. 'too noise.'

★ Key Points

- The error lies in the part 'too noise.'
- According to the rules of grammar, **Adjectives** are a type of word that can be used to characterize or elucidate a noun or pronoun.
- Here, '**it**' is a pronoun for '**the place**' and the words '**noise and polluted**' describes the place.
- But, the word '**noise**' is a noun and its adjective form is '**noisy**'.
- Therefore in the given sentence, we need to use 'too noisy' in place of 'too noise' to make the sentence grammatically correct.
- Hence, the correct answer is option 4.

Correct sentence: *I did not like the place as it was **too noisy** and polluted.*

95. Answer: d

Explanation:

The correct answer is option 4) i.e. "Laurall."

★ Key Points

- The correct spelling is 'Laurel.'
- 'Laurel' means 'praise for a person because of something they have done, usually in sport, the arts, or politics.' (आमतौर पर खेल, कला या राजनीति में किसी व्यक्ति द्वारा की गई किसी चीज के लिए उसकी प्रशंसा करना)
- Example:
 - *The author won laurels for his first novel.*
- Therefore, 'Laurall' is incorrectly spelt among the given options.
- Hence, option 4 is the correct answer.

★ Additional Information

- Let's know the meaning of the other options:

Word	Meaning
Religious	relating to religion. (धर्म से संबंधित)
Whine	an unpleasant high sound or voice. (एक अप्रिय उच्च ध्वनि या आवाज)
Mutual	(of two or more people or groups) feeling the same emotion, or doing the same thing to or for each other. ((दो या दो से अधिक लोगों या समूहों के) एक ही भावना को महसूस करना, या एक दूसरे के लिए या एक ही काम करना)

96. Answer: d

Explanation:

The correct answer is option 4) i.e. 'grave.'

★ Key Points

- Let's look at the meaning of the words given in the options:

Word	Meaning
casual	not taking or not seeming to take much interest. (ज्यादा दिलचस्पी नहीं ले रहे हैं या नहीं लग रहे हैं)
decisive	able to make decisions quickly and confidently. (जल्दी और आत्मविश्वास से निर्णय लेने में सक्षम)
serious	severe in effect. (प्रभाव में गंभीर)
grave	urgent and very bad. (अत्यावश्यक और बहुत बुरा)

- The context of the sentence is that the problem of increasing environmental pollution needs to be taken seriously and requires urgent attention.
- According to the above-mentioned points, the most appropriate word to fill in the blank is "grave."
- Therefore, the correct answer is Option 4.

Complete passage:The issue of growing environmental pollution should be considered as one of (1) *grave* importance. The environment (2) *comprises* the air we breathe, the water we drink, the trees and plants that (3) *bear* food for us and the animal kingdom. All of these together form the circle of life on earth. Pollution is a process by which natural elements of the earth are negatively (4) *affected*, causing harm and (5) *damage* to this circle of life.

97. Answer: d

Explanation:

The correct answer is option 4) i.e. 'comprises.'

★ Key Points

- Let's look at the meaning of the words given in the options:

Word	Meaning
constructs	to build something or put together different parts to form something whole. (कुछ बनाने के लिए या कुछ पूरी बनाने के लिए अलग-अलग हिस्सों को एक साथ रखना)
nourishes	to provide people or living things with food in order to make them grow and keep them health. (लोगों या जीवित चीजों को भोजन के साथ प्रदान करने के लिए उन्हें विकसित करने और उन्हें स्वास्थ्य रखने के लिए)
obstructs	to try to stop something from happening or developing. (कुछ होने या विकसित होने से रोकने की कोशिश करना)
comprises	to consist of or to be made up of. (से मिलकर या बना होना)

- The context of the sentence is that the environment is made up of the water we drink, the trees and plants that bear our food, the animals we live with, and the air we breathe.
- According to the above-mentioned points, the most appropriate word to fill in the blank is "comprises."
- Therefore, the correct answer is Option 4.

Complete passage:The issue of growing environmental pollution should be considered as one of (1) *grave* importance. The environment (2) *comprises* the air we breathe, the water we drink, the trees and plants that (3) *bear* food for us and the animal kingdom. All of these together form the circle of life on earth. Pollution is a process by which natural elements of the earth are negatively (4) *affected*, causing harm and (5) *damage* to this circle of life.

98. Answer: d

Explanation:

The correct answer is option 4) i.e. 'bear.'

★ Key Points

- Let's look at the meaning of the words given in the options:

Word	Meaning
beer	an alcoholic drink made from grain and hops (a type of plant). (अनाज और हॉप्स (एक प्रकार का पौधा) से बना एक मादक पेय)
procure	to get something, especially after an effort. (कुछ पाने के लिए, विशेष रूप से एक प्रयास के बाद)
garner	to collect something, usually after much work or with difficulty. (कुछ इकट्ठा करने के लिए, आमतौर पर बहुत काम के बाद या कठिनाई के साथ)
bear	to hold or support something. (किसी चीज को पकड़ना या सहारा देना)

- The context of the sentence is that the trees and plants hold food for human beings, as well as for other animals of the animal kingdom.
- According to the above-mentioned points, the most appropriate word to fill in the blank is "bear."
- Therefore, the correct answer is Option 4.

Complete passage:The issue of growing environmental pollution should be considered as one of (1) *grave* importance. The environment (2) *comprises* the air we breathe, the water we drink, the trees and plants that (3) *bear* food for us and the animal kingdom. All of these together form the circle of life on earth. Pollution is a process by which natural elements of the earth are negatively (4) *affected*, causing harm and (5) *damages* to this circle of life.

99. Answer: a

Explanation:

The correct answer is option 1) i.e. 'affected.'

★ Key Points

- Let's look at the meaning of the words given in the options:

Word	Meaning
affected	to have an influence on someone or something, or to cause a change in someone or something. (किसी पर या किसी चीज़ पर प्रभाव डालना, या किसी में या किसी चीज़ में बदलाव लाना)
aerated	to add a gas to a liquid, especially a drink. (तरल में गैस जोड़ने के लिए, विशेष रूप से एक पेय)
effected	the result of a particular influence. (किसी विशेष प्रभाव का परिणाम)
deflected	to change direction after hitting something, or to cause something to do this. (किसी चीज़ से टकराने के बाद दिशा बदलना या ऐसा करने के लिए कुछ करना)

- The context of the sentence is through the process of pollution, the earth's natural resources are adversely impacted, harming and damaging the cycle of life.
- According to the above-mentioned points, the most appropriate word to fill in the blank is "affected."
- Therefore, the correct answer is Option 1.

Complete passage:The issue of growing environmental pollution should be considered as one of (1) *grave* importance. The environment (2) *comprises* the air we breathe, the water we drink, the trees and plants that (3) *bear* food for us and the animal kingdom. All of these together form the circle of life on earth. Pollution is a process by which natural elements of the earth are negatively (4) *affected*, causing harm and (5) *damage* to this circle of life.

100. Answer: b

Explanation:

The correct answer is option 2) i.e. 'damage.'

★ Key Points

- Let's look at the meaning of the words given in the options:

Word	Meaning
demolition	the act of destroying something such as a building. (किसी भवन जैसी किसी चीज को नष्ट करने की क्रिया)
damage	to harm or spoil something. (किसी चीज को हानि पहुँचाना या बिगाड़ना)
distraction	something that prevents someone from giving their attention to something else. (कुछ ऐसा जो किसी को अपना ध्यान किसी और चीज़ पर देने से रोकता है)
defiance	behaviour in which you refuse to obey someone or something. (व्यवहार जिसमें आप किसी को या किसी चीज़ को मानने से इंकार करते हैं)

- The context of the sentence is that the process of pollution causes harm to the circle of life on this planet.
- According to the above-mentioned points, the most appropriate word to fill in the blank is "damage."
- Therefore, the correct answer is Option 2.

Complete passage:The issue of growing environmental pollution should be considered as one of (1) *grave* importance. The environment (2) *comprises* the air we breathe, the water we drink, the trees and plants that (3) *bear* food for us and the animal kingdom. All of these together form the circle of life on earth. Pollution is a process by which natural elements of the earth are negatively (4) *affected*, causing harm and (5) *damage* to this circle of life.