

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



UP TET



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 (30-Nov-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. Study the given pattern carefully and select the number that can replace the question mark (?) in it. (+1, -0.25)

13	30	34
27	?	14
19	30	22

- a. 30
- b. 34
- c. 32
- d. 36

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

14, 16, 22, 34, 54, 84, ?

- a. 126
- b. 148
- c. 121
- d. 112

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

L_PO_LO_OK_OP_KL_POK

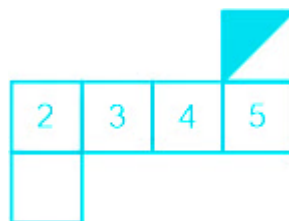
- a. O, K, P, L, O, O
- b. O, P, O, K, O, L
- c. O, P, K, O, L, O
- d. O, O, P, K, L, O

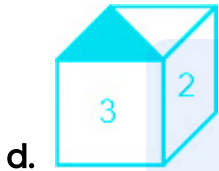
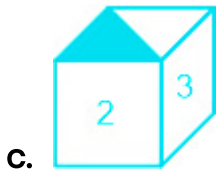
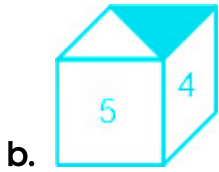
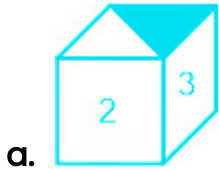
4. In a certain code language, 'SOBER' is coded as '64' and 'NOSTALGIA' is coded as '107'. How will 'REPAIR' be coded in that language? (+1, -0.25)

- a. 83
- b. 67
- c. 73
- d. 80

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5. Choose the box that is not similar to the box formed from the given sheet of paper when it is folded. (+1, -0.25)

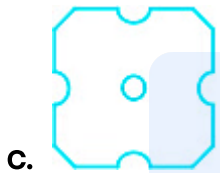
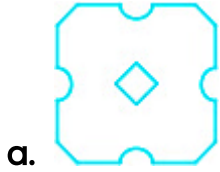




6. The cost of an apple is four less than twice the cost of a banana, and that of a papaya is half the cost of an apple. If the total cost of the fruits is Rs. 150, then what is the cost of a banana? (+1, -0.25)

- a. Rs. 33
- b. Rs. 36
- c. Rs. 39
- d. Rs. 42

7. 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)



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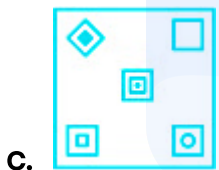
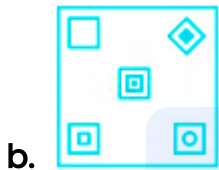
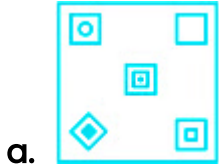
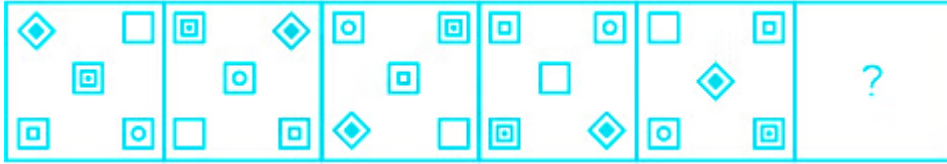
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8. In a certain code language, DANGER is written as EDSHHW. How will SPEEDY be written in that language? (+1, -0.25)

- a. TSIFGD
- b. TSJEGE
- c. TSIEGE
- d. TSJFGD

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

(+1, -0.25)



10. Select the option in which the given figure is embedded (rotation is NOT allowed).

(+1, -0.25)





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

DQH, HUL, MZQ, SFW, ?

- a. ZMD
- b. ZNE
- c. ZLC
- d. YMC

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

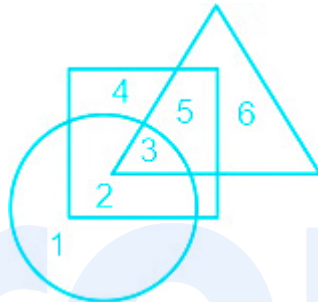
13, 15, 12, 17, 10, 21, 8, ?

- a. 24
- b. 22

c. 23

d. 25

13. In the following diagram, the 'circle' stands for 'soldiers', the 'square' stands for 'Indians', and the 'triangle' stands for 'singers'. The numbers given in the different segments represent persons belonging to that category. (+1, -0.25)



Which category is represented by the number '5'?

- a. Indian singers who are not soldiers
 - b. Indian soldiers who are not singers
 - c. Indians who are neither singers nor soldiers
 - d. Indian singers who are soldiers
14. P, Q, R, S, T and U are six members in a family. P is the husband of Q. U is the brother of Q. R is the son of the only brother of Q. S is the sister of T. P is the father of S. How is U related to T? (+1, -0.25)
- a. Cousin
 - b. Brother
 - c. Paternal uncle

d. Maternal uncle

15. 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. Terminus
- 2. Therefore
- 3. Terrace
- 4. Thesis
- 5. Thiamine

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

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16. 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)

129 : 216 :: 165 : ?

- a. 252
 - b. 306
 - c. 269
 - d. 348
-

17. In a certain code language, 'VENDOR' is written as 'TMFLGT'. How will 'CUSTOM' be written in that language? (+1, -0.25)

- a. BSTSPA
- b. DTVQPN
- c. OMVQWA
- d. OTVQMW

18. Four persons A, B, C and D are playing carrom. A is to the immediate left of C. D is to the immediate right of B. Which statement shows the correct position of A? (+1, -0.25)

- a. Opposite B
- b. Opposite D
- c. Immediate left of B
- d. Opposite C

19. Select the correct combination of mathematical signs that can sequentially replace the (?) signs and make the given equation correct. (+1, -0.25)

$$72 ? 18 ? 11 ? 44$$

- a. $\times, +, =$
- b. $\div, \times, =$
- c. $\times, \div, =$
- d. $+, -, =$

20. 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. HFDZX
- b. CAYWU
- c. TRPNL
- d. OMKIG

21. Six people, K, L, M, N, O and P, are sitting on the ground in a hexagonal shape but not necessarily in the same order. K is not sitting next to L or M. N is not sitting next to M or O. L is the neighbour of M. P is in the middle of M and N. What is the correct order of seating positions of the people in clockwise direction? **(+1, -0.25)**

- a. L-M-P-N-K-O
- b. L-N-O-K-M-P
- c. L-O-K-P-M-N
- d. L-M-N-P-K-O

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

BUMP : NOSD :: PICK : ?

- a. GIAR
- b. QJBX

c. LGDL

d. IEGR

23. 'Sword' is related to 'Weapon' in the same way as 'Necklace' is related to (+1, -0.25)
'_____':

a. Jewellery

b. Goldsmith

c. Women

d. Neck

24. Read the given statements and conclusions carefully. Assuming that the (+1, -0.25)
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.

Statements:

All guavas are pears.

Some kiwis are pears.

Conclusions:

I. Some kiwis are guavas.

II. Some pears are kiwis.

a. Both conclusions I and II follow

b. Only conclusion II follows

- c. Neither conclusion I nor II follows
- d. Only conclusion I follows

25. Select the correct mirror image of the given combination when the mirror is placed at the right side. (+1, -0.25)

f h d B 3 1

- a. 1 3 B b h f
- b. 1 3 B d h f
- c. 1 3 B b h f
- d. 1 3 B b h f



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General Knowledge and General Awareness

26. How many drugs were removed from the National List of Essential Medicines (NLEM) in September 2021? (+1, -0.25)
- a. 16
 - b. 19
 - c. 39
 - d. 36
-

27. Which of the following banks signed a \$1 billion loan agreement with Japan Bank for International Cooperation in October 2020? (+1, -0.25)
- a. Bank of Baroda
 - b. Industrial Development Bank of India
 - c. Punjab National Bank
 - d. State Bank of India
-

28. Which of the following conditions could harm tea plantations? (+1, -0.25)
- a. Temperature above 35°C
 - b. Rainfall ranging between 150–300 cm
 - c. Hot and wet climate
 - d. Plantations along shady trees
-

29. The Persian chronicles described the Muslim Sultans as: (+1, -0.25)
- a. The Incarnation of God
 - b. The Shadow of God
 - c. The Disciple of God
 - d. The Follower of God
-

30. Which of the following is a multicellular organism? (+1, -0.25)
- a. Paramecium
 - b. Amoeba
 - c. Sponge
 - d. Chlamydomonas
-

31. The Constitution (One Hundred and Twenty-Sixth Amendment) Bill, 2019 (+1, -0.25)
aims to retain the inclusive character as envisioned by the founding fathers of the Constitution of India by continuing the reservation of seats for the scheduled castes and the scheduled tribes up to _____.
- a. 25 January 2035
 - b. 25 January 2025
 - c. 25 January 2040
 - d. 25 January 2030
-

32. Emma Raducanu is a professional tennis player from _____ . (+1, -0.25)
- a. The US
 - b. Canada
 - c. Croatia
 - d. The UK
-

33. The Mughal Empire had started facing a crisis towards the end of the 17th century. Which of the following was NOT a factor for it? (+1, -0.25)
- a. Aurangzeb had depleted the military and financial resources of his empire by fighting a long war in the Deccan.
 - b. Under the successors of Aurangzeb, the efficiency of the imperial administration broke down.
 - c. The later Mughals kept a good check on their powerful 'mansabdars'.
 - d. The peasant and zamindari rebellions in many parts of North and West India added to the problems.
-

34. Change of a liquid into gas at any temperature below its boiling point is called: (+1, -0.25)
- a. crystallisation
 - b. evaporation
 - c. deposition

d. condensation

35. The Mughals were proud of their Timurid ancestry. How did they celebrate this? (+1, -0.25)

- a. By holding events like horse racing and shooting
 - b. By declaring a particular day as a holiday in the country
 - c. By each ruler getting a picture made of Timur and himself
 - d. By dedicating the day to soldiers
-

36. Who wrote 'Gita Rahasya', which is a commentary on the Bhagavad-Gita, in the Mandalay jail of Myanmar? (+1, -0.25)

- a. Bal Gangadhar Tilak
 - b. Subhas Chandra Bose
 - c. Aurobindo Ghosh
 - d. Lala Lajpat Rai
-

37. Who among the following was a Portuguese viceroy in India? (+1, -0.25)

- a. Robert Clive
 - b. Comte de Lally
 - c. Francisco de Almeida
 - d. Francois Dupleix
-

38. What do you call a region with a large number of deep gullies or ravines? (+1, -0.25)
- a. Badland topography
 - b. Arid topography
 - c. Humus region
 - d. Peninsular region
-

39. Laterite soil is poor in oxides of which among the following? (+1, -0.25)
- a. Aluminium
 - b. Titanium
 - c. Iron
 - d. Silicon
-

40. _____ has launched its new brand campaign titled 'Contactless Connections', in October 2020. (+1, -0.25)
- a. Contactless PNB Card
 - b. Contactless ICICI Card
 - c. Contactless SBI Card
 - d. Contactless Canara Card
-

41. Which of the following countries has the world's largest ice rink called 'Rideau Canal'? (+1, -0.25)

- a. Canada
 - b. Switzerland
 - c. Russia
 - d. The US
-

42. When did the rules under the Fiscal Responsibility and Budget Management Act come into force? (+1, -0.25)

- a. July 2004
 - b. August 2004
 - c. August 2003
 - d. July 2003
-

43. Neil Nongkynrih is a concert pianist and founder of _____ from India. (+1, -0.25)

- a. East Parade Malayalam Choir
 - b. Indian Fusion Chamber Choir
 - c. Shillong Chamber Choir
 - d. The Mozart Choir of India
-

44. In which year was the Badminton Association of India formed? (+1, -0.25)

- a. 1967
- b. 1956

c. 1934

d. 1978

45. According to the Union Budget 2020, when will India host G20 presidency? (+1, -0.25)

a. 2022

b. 2023

c. 2020

d. 2021

46. Who among the following is the author of the book 'Letters to Mother'? (+1, -0.25)

a. Narendra Modi

b. Jawaharlal Nehru

c. Manmohan Singh

d. PV Narsimha Rao

47. According to which amended Act, can sons, daughters and their mothers get an equal share of family property? (+1, -0.25)

a. Hindu Amendment Act 1950

b. Hindu Act 1956

c. Hindu Succession Amendment Act 2005

d. Hindu Succession Act 1950

48. With which of the following dance forms is Laxmi Narayana Sastri associated? (+1, -0.25)

- a. Odissi
 - b. Kathak
 - c. Kuchipudi
 - d. Mohiniyattam
-

49. Who chaired 'Aarogya Manthan' 2.0 to celebrate the 2nd anniversary of Ayushman Bharat-Pradhan Mantri Jan Aarogya Yojana? (+1, -0.25)

- a. Dr Ashwini Kumar Choubey
 - b. Amit Shah
 - c. Dr Harsh Vardhan
 - d. Dr Indu Bhushan
-

50. Which of the following chemicals is known as vinegar? (+1, -0.25)

- a. Oxalic acid
- b. Formic acid
- c. Acetic acid
- d. Tartaric acid

Elementary Mathematics

51. 8 pens and 14 pencils cost as much as 12 pens and 5 pencils. The ratio of the cost of one pen to the cost of one pencil is: (+1, -0.25)
- a. 9 : 5
 - b. 9 : 4
 - c. 7 : 5
 - d. 8 : 5
-
52. The curved surface area of a cylinder is 96 cm^2 and its volume is 672 cm^3 . Its diameter is: (+1, -0.25)
- a. 32 cm
 - b. 26 cm
 - c. 24 cm
 - d. 28 cm
-
53. The time taken by a boat to go 34 km upstream is 25% more than the time it takes to go 40 km downstream. If the speed of the stream is 4 km/h, then what is the speed (in km/h) of the boat in still water? (+1, -0.25)
- a. 21
 - b. 24
 - c. 20

d. 22

54. The average weight of 20 students in a group is 54 kg. If 12 students of average weight 52 kg join the group and 7 students of average weight 56 kg leave the group, then what will be the average weight (in kg) of the remaining students in the group? (+1, -0.25)

a. 53.84

b. 51.96

c. 52.48

d. 54.24

55. A shopkeeper offers successive discounts of 10% and k%. Customers get items marked at Rs. 1,200 for Rs. 864. What is the value of k? (+1, -0.25)

a. 15

b. 20

c. 80

d. 25

56. Simplify $2 - \left[\frac{1}{2} + \frac{1}{4} + \frac{1}{6} \div \left(\frac{3}{4} - \frac{1}{2} \right) \right]$. (+1, -0.25)

a. $\frac{7}{12}$

b. $\frac{1}{12}$

c. $\frac{17}{12}$

d. $\frac{11}{12}$

57. The average weight of students in a class was 58.5 kg. When 8 more students with average weight of 64.5 kg joined the class, then the average weight of all the students increased by 0.96 kg. What was the number of students, initially, in the class? (+1, -0.25)

a. 40

b. 32

c. 37

d. 42

58. Three persons start a morning walk together. Their steps measure 70 cm, 75 cm and 80 cm, respectively. What is the minimum distance each should walk, so that all of them can cover the same distance in complete steps? (+1, -0.25)

a. 8800 cm

b. 8400 cm

c. 6400 cm

d. 8000 cm

59. Two numbers are, respectively, 20% and 50% more than a third number. The ratio of the first 2 number is: (+1, -0.25)

a. 2 : 3

b. 1 : 1

c. 4 : 5

d. 5 : 6

60. A sum amounts to Rs. 4,260 in 5 years at the rate of 4% p.a. simple interest. What will be the simple interest (in Rs. nearest to a Rs.) on the same sum for $4\frac{1}{5}$ years at the rate of $8\frac{1}{2}$ % p.a.? (+1, -0.25)

a. 1,250

b. 1,267

c. 1,285

d. 1,271

61. In an election, a candidate got 75% of the total valid votes. If 20% of the total votes were declared invalid, and the total numbers of votes is 560000, find the number of valid votes polled in favour of the candidate. (+1, -0.25)

a. 363000

b. 330000

c. 336000

d. 346000

62. The list price of a fan is Rs. 4,500 and it is sold at a 15% discount. If its final selling price, after allowing a second discount percentage on the list price, is Rs. 3,213, then the second discount percentage is: (+1, -0.25)

a. 15%

- b. 16%
 - c. 12%
 - d. 18%
-

63. A certain number of men complete a piece of work in 60 days. If there were 9 more men, then the work would be completed in 50 days. How many men are originally there? (+1, -0.25)

- a. 45
 - b. 55
 - c. 48
 - d. 42
-

64. Bike A moving at a speed of 30 km/h covers some distance for 2 hours, while another bike B moving at a speed of 35 km/h covers the same distance as bike A. What is the ratio of the time taken by bike A to that taken by bike B? (+1, -0.25)

- a. 5 : 6
 - b. 8 : 5
 - c. 6 : 7
 - d. 7 : 6
-

65. x is the smallest number of 5-digits which when divided by 10, 15, 24, 35 and 42, leaves a remainder 7 in each case. (+1, -0.25)

The sum of the digits of x is:

- a. 18
- b. 19
- c. 13
- d. 16

66. The total cost price of a watch and a fan is Rs. 1,170. Rama sells the watch at a profit of 20% and the fan at a profit of 25%. If he earns a total profit of Rs. 265, then the cost price of watch is: (+1, -0.25)

- a. Rs. 550
- b. Rs. 480
- c. Rs. 450
- d. Rs. 620

67. A sum of money becomes Rs. 12,600 after 6 years and Rs. 21,000 after 9 years on compound interest. The sum invested is: (+1, -0.25)

- a. Rs. 4,500
- b. Rs. 4,600
- c. Rs. 4,536
- d. Rs. 4,436

68. An article was sold at $x\%$ profit for Rs. 875. When the same article was sold for Rs. 896, the profit made was 3% more than the previous profit. The value of x is: (+1, -0.25)

- a. 30
- b. 24
- c. 25
- d. 20

69. When 154 l of oil is removed from an upright cylindrical tank, the level falls down by 10 cm. What is the diameter (in cm) of the tank? (+1, -0.25)

Take $\pi = \frac{22}{7}$

- a. 220
- b. 140
- c. 100
- d. 70

70. Kohli deals with second-hand goods. He bought a second-hand AC for Rs. 10,000. He spent Rs. 500 on transport and Rs. 2,000 on its repair and sold it for Rs. 15,000. What is his gain or loss percentage? (+1, -0.25)

- a. 20% gain
- b. 18% gain
- c. 18% loss

d. 20% loss

71. Vessels A and B contain solutions of acid and water. The ratio of acid and water in vessel A is 7 : 5 and that in vessel B is 11 : 13. Four liters of solution from vessel A is mixed with 5 liters of solution from vessel B. What is the ratio of acid and water in the mixture? (+1, -0.25)

a. 35 : 37

b. 22 : 21

c. 37 : 35

d. 21 : 22

72. Find CI on Rs. 8,000 at 15% for 2 years 4 months compounded annually. (+1, -0.25)

a. Rs. 12,008

b. Rs. 1,264

c. Rs. 11,109

d. Rs. 3,109

73. If $3 \text{ of } 5 \div 2 + \frac{3x}{1 + \frac{12}{2 + \frac{2x}{1-x}}} = 12\frac{1}{2}$, what is the value of x? (+1, -0.25)

a. $\frac{35}{33}$

b. $\frac{25}{13}$

c. $\frac{34}{33}$

d. $\frac{15}{11}$

74. The income of X is 20% less than the income of Y, and the income of Z is 35% less than the combined incomes of X and Y. By what percentage is the income of Z more than that of X? **(+1, -0.25)**

a. 46.25%

b. 38.8%

c. 31.6%

d. 45.5%

75. A group of persons can complete a piece of work in a certain time. If there were 4 more persons, they would take 2 days less to complete it. If there were 6 persons less, they would take 4 days more to complete it. What is the number of persons, initially, in the group? **(+1, -0.25)**

a. 40

b. 45

c. 36

d. 32

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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 pack of wolves moving towards the children are a frightening sight.

- a. was a frightening sight
- b. No substitution required
- c. are an frightening sight
- d. had a frightening sight

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

A place where birds are kept

- a. Apiary
- b. Aquarium
- c. Attic
- d. Aviary

78. 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)

Need you please hold my bag for a moment?

- a. No improvement required
 - b. May you
 - c. Would you
 - d. Should you
-

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

He was _____ by the judge for his courageous actions.

- a. criticised
 - b. discouraged
 - c. commended
 - d. reprimanded
-

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

- a. Melodrama
 - b. Melody
 - c. Melodous
 - d. Malignant
-

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

The landscape _____ Hardy to write this fine poem.

- a. inspired

- b. induced
 - c. pestered
 - d. incited
-

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

Everyone needs / to have a home / and to feel secured / and be wanted.

- a. and be wanted
 - b. Everyone needs
 - c. and to feel secured
 - d. to have a home
-

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

- a. Separate
 - b. Desparate
 - c. Considerate
 - d. Disparate
-

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

Grim

- a. Stern

- b. Forceful
 - c. Joyful
 - d. Arrogant
-

85. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, select 'No error' as your answer. (+1, -0.25)

In summer, we must take care / to drink enough water / to keep ourselves hydrated.

- a. to drink enough water
 - b. In summer, we must take care
 - c. No error
 - d. to keep ourselves hydrated
-

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

Desperate

- a. Content
 - b. Determined
 - c. Frantic
 - d. Daring
-

87. 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)

After a month-long vacation due to the sudden floods, Mani's school has been resuming today.

- a. After
- b. has been resuming
- c. due to the sudden floods
- d. a month-long vacation

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

Sometime back, onion used to be the poor man's food as it was _____

- a. cheap
- b. inferior
- c. available
- d. low

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

She frequent go to her old school to visit her teachers.

- a. frequent goes
- b. frequently goes

- c. No improvement required
 - d. frequently going
-

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

One who has keen interest in good food

- a. Gourmet
 - b. Hungry
 - c. Greedy
 - d. Gallant
-

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

Rift

- a. Boat
 - b. Heal
 - c. Break
 - d. Bind
-

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

Declare someone not guilty

- a. Acquit

- b. Sentence
 - c. Pardon
 - d. Arrest
-

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

Naive

- a. Sincere
 - b. Simple
 - c. Experienced
 - d. Impulsive
-

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

Bite someone's head off

- a. Ask someone the same question again and again
 - b. Go on repeating the same point
 - c. Scold someone for misbehaving
 - d. Speak angrily without any reason
-

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

Once in a blue moon

- a. Taking place very rarely

- b. When the moon rises
- c. Happening usually
- d. Doing something very often

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)

When Roald Amundsen first (1) _____ the South Pole in 1911, he could plant (2) _____ flag there whilst, back in (3) _____ Arctic, no explorer ever had the luxury (4) _____ his claim with a flag. If he did, it would (5) _____ end up floating away to Greenland, making it a totally useless exercise.

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

- a. reach
- b. had reached
- c. reaching
- d. reached

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)

When Roald Amundsen first (1) _____ the South Pole in 1911, he could plant (2) _____ flag there whilst, back in (3) _____ Arctic, no explorer ever had the luxury (4) _____ his claim with a flag. If he did, it would (5) _____ end up floating away to Greenland, making it a totally useless exercise.

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

- a. your
- b. her
- c. his
- d. its

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)

When Roald Amundsen first (1) _____ the South Pole in 1911, he could plant (2) _____ flag there whilst, back in (3) _____ Arctic, no explorer ever had the luxury (4) _____ his claim with a flag. If he did, it would (5) _____ end up floating away to Greenland, making it a totally useless exercise.

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

- a. an
- b. a
- c. any
- d. the

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)

When Roald Amundsen first (1) _____ the South Pole in 1911, he could plant (2) _____ flag there whilst, back in (3) _____ Arctic, no explorer ever had the luxury (4) _____ his claim with a flag. If he did, it would (5) _____ end up floating away to Greenland, making it a totally useless exercise.

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

- a. to secure
- b. secure
- c. secured
- d. securing

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)

When Roald Amundsen first (1) _____ the South Pole in 1911, he could plant (2) _____ flag there whilst, back in (3) _____ Arctic, no explorer ever had the luxury (4) _____ his claim with a flag. If he did, it would (5) _____ end up floating away to Greenland, making it a totally useless exercise.

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

- a. eventually
- b. entirely
- c. totally
- d. happily

Answers

1. Answer: b

Explanation:

The logic followed here is:

Row wise:

First number + (Third number ÷ 2) = Second number

1st Row:

13	30	34
----	----	----

Second number = $13 + (34 \div 2) = 13 + 17 = 30$.

3rd Row:

19	30	22
----	----	----

Second number = $19 + (22 \div 2) = 19 + 11 = 30$.

Similarly,

2nd Row:

27	?	14
----	---	----

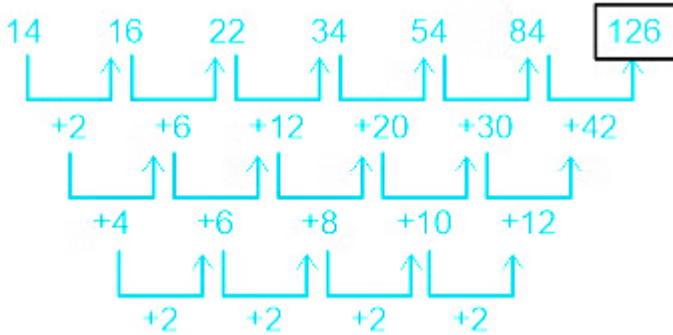
Second number = $27 + (14 \div 2) = 27 + 7 = 34$.

Hence, the correct answer is "34".

2. Answer: a

Explanation:

The logic followed here is :-



Hence, the correct answer is "126".

3. Answer: a

Explanation:

Given :- L_PO_LO_OK_OP_KL_POK

By checking options and substituting accordingly.

1) O, K, P, L, O, O → L O P O K - L O P O K - L O P O K - L O P O K

- Here, "LOPOK" is repeated.

2) O, P, O, K, O, L → L O P O P - L O O O K - K O P O K - L L P O K

3) O, P, K, O, L, O → L O P O P - L O K O K - O O P L K - L O P O K

4) O, O, P, K, L, O → L O P O O - L O P O K - K O P L K - L O P O K

- Option (1) gives the pattern of :- L O P O K - L O P O K - L O P O K - L O P O K

Hence, the correct answer is "O, K, P, L, O, O".

4. Answer: c

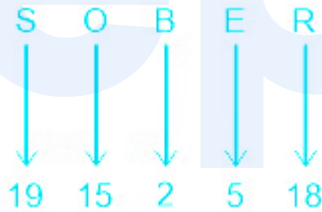
Explanation:

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 :-

Sum of alphabet positional values of given word + Number of letters in given word.

'SOBER' is coded as '64'.



Sum of Alphabet positional value of the word = $19 + 15 + 2 + 5 + 18 = 59$

Number of letter = 5

= $59 + 5$

= 64

And

'NOSTALGIA' is coded as '107'.



Sum of alphabet positional value of the word = $14 + 15 + 19 + 20 + 1 + 12 + 7 + 9 + 1 = 98$

Number of letter = 9

= $98 + 9$

= 107

Similarly,

'REPAIR' will be coded as :



Sum of alphabet positional value of the word = $18 + 5 + 16 + 1 + 9 + 18 = 67$

Number of letter = 6

= $67 + 6$

= 73

Hence, the correct answer is "73".

5. Answer: c

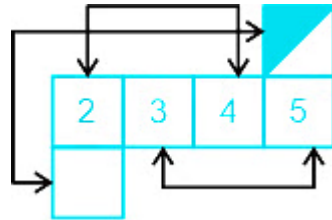
Explanation:

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

- Alternate surfaces are opposite to each other.
- No two opposite surface 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)



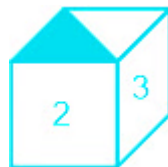
→ The shaded is arranged according to folding.

2)



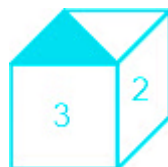
→ The shaded is arranged according to folding.

3)



→ The shaded part should be on side of 3 according to folding.

4)



→ The shaded is arranged according to folding.

Hence, the correct answer is "Option 3".

6. Answer: c

Explanation:

Given,

Cost of banana = x

The cost of an apple is four less than twice the cost of a banana.

Cost of apple = $2x - 4$

Papaya is half the cost of an apple.

Cost of papaya = $(2x - 4) / 2$

Total cost of fruits = 150/-

∴ Cost of banana + apple + papaya = 150/-

⇒ $x + (2x - 4) + (2x - 4) / 2 = 150$

⇒ $2x + 4x - 8 + 2x - 4 = 300$

⇒ $8x - 12 = 300$

⇒ $8x = 312$

⇒ $x = 312 / 8$

⇒ **$x = 39$**

∴ Here, the cost of banana = x .

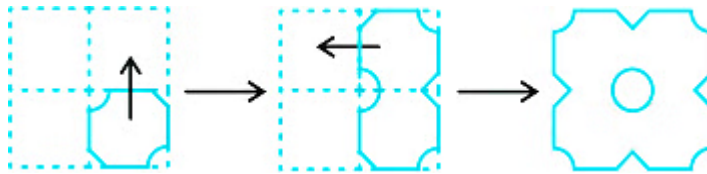
So, the cost of banana = 39/-

Hence, the correct answer is "Rs. 39".

7. Answer: d

Explanation:

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



Hence, the correct answer is "Option 4".

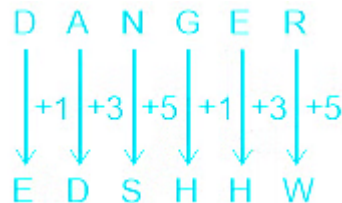
8. Answer: d

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

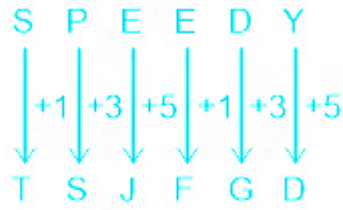
The logic followed here is :-

DANGER is written as EDSHHW.



Similarly,

SPEEDY will be written as :



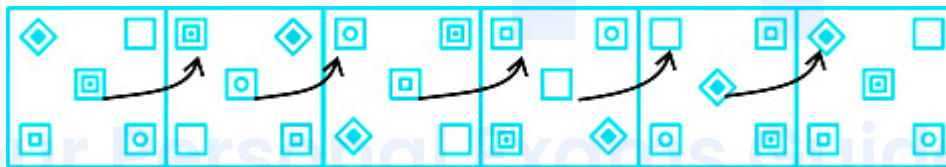
Hence, the correct answer is "TSJFGD".

9. Answer: c

Explanation:

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

- The middle polygon is moving to top left corner from figure to figure.











Hence, the correct answer is "Option 3".

10. Answer: c

Explanation:

The figure embedded in the given options is as shown below :

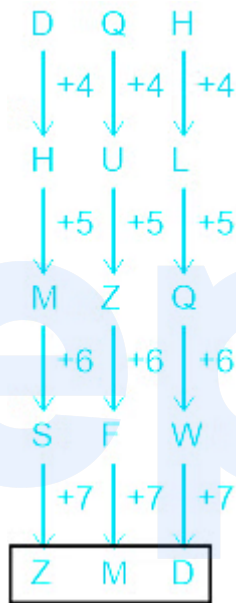
No.	Option	Question	Answer
1.			Not Embedded
2.			Not Embedded
3.			Embedded
4.			Not Embedded

11. Answer: a

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 :-



Hence, the correct answer is "ZMD".

12. Answer: d

Explanation:

The logic followed here is :-

Addition and subtraction of the difference by using prime number.

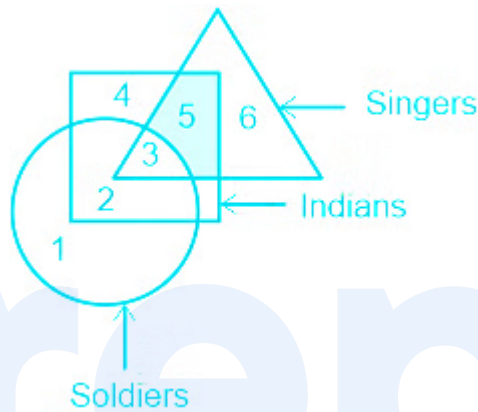


Hence, the correct answer is "25".

13. Answer: a

Explanation:

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



∴ Here, Number 5 part is represented as "Indian singers who are not soldiers".

Hence, the correct answer is "Indian singers who are not soldiers".

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14. Answer: d

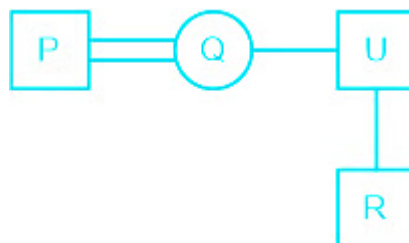
Explanation:

Family chart :-

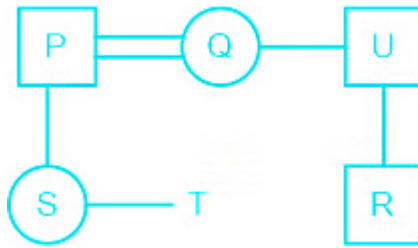
Symbol in Diagram	Meaning
○	Female
□	Male
══	Married Couple
—	Siblings
	Difference of A Generation

Family Tree :

1) P is the husband of Q and U is the brother of Q and R is the son of the only brother of Q.



2) P is the father of S and S is the sister of T.



∴ Here, U is Maternal uncle of T.

Hence, the correct answer is "Maternal uncle".

15. Answer: b

Explanation:

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

1. Terminus

3. Terrace

2. There fore

4. Thesis

5. Thiamine

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

16. Answer: a

Explanation:

The logic followed here is :-

Second number - First number = 87

Similarly,

Fourth number - Third number = 87

- $129 : 216 \rightarrow 216 - 129 = 87$

Similarly,

- $165 : ? \rightarrow X - 165 = 87 \rightarrow X = 165 + 87 = 252$

Hence, the correct answer is "252".

17. 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 :-

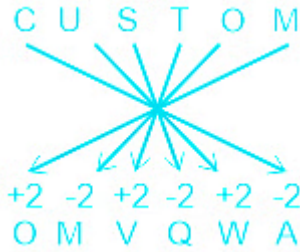
First letter is added +2, next letter is subtracted -2 and repeated for next letters in given word.

'VENDOR' is written as 'TMFLGT'.



Similarly,

'CUSTOM' will be written as :



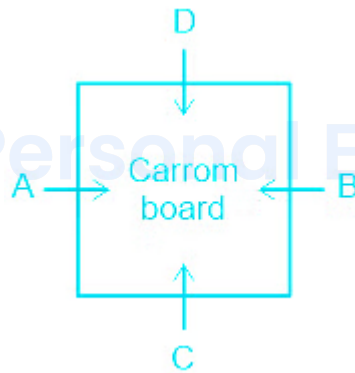
Hence, the correct answer is "OMVQWA".

18. Answer: a

Explanation:

Four persons A, B, C and D are playing carrom.

A is to the immediate left of C and D is to the immediate right of B.



∴ Here, the position of A is opposite of B.

Hence, the correct answer is "Opposite B".

19. Answer: b

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 (-)

Option 1) : ×, +, =

Given expression : $72 ? 18 ? 11 ? 44$

After inserting the symbols in given expression the expression formed is as follows :

$$72 \times 18 + 11 = 44$$

$$\Rightarrow 72 \times 18 + 11 = 44$$

$$\Rightarrow 1296 + 11 = 44$$

$$\Rightarrow 1307 \neq 44$$

LHS \neq RHS

Option 2) : ÷, ×, =

Given expression : $72 ? 18 ? 11 ? 44$

After inserting the symbols in given expression the expression formed is as follows :

$$72 \div 18 \times 11 = 44$$

$$\Rightarrow \underline{72 \div 18} \times 11 = 44$$

$$\Rightarrow \underline{4 \times 11} = 44$$

$$\Rightarrow 44 = 44$$

LHS = RHS

Option 3) : $\times, \div, =$

Given expression : $72 ? 18 ? 11 ? 44$

After inserting the symbols in given expression the expression formed is as follows :

$$72 \times 18 \div 11 = 44$$

$$\Rightarrow \underline{72 \times 18} \div 11 = 44$$

$$\Rightarrow \underline{1296 \div 11} = 44$$

$$\Rightarrow 117.81 \neq 44$$

LHS \neq RHS

Option 4) : $+, -, =$

Given expression : $72 ? 18 ? 11 ? 44$

After inserting the symbols in given expression the expression formed is as follows :

$$72 + 18 - 11 = 44$$

$$\Rightarrow \underline{72 + 18} - 11 = 44$$

$$\Rightarrow \underline{90 - 11} = 44$$

$$\Rightarrow 79 \neq 44$$

LHS \neq RHS

Hence, the correct answer is " $\div, \times, =$ ".

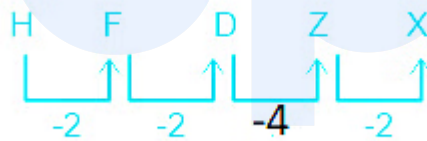
20. Answer: a

Explanation:

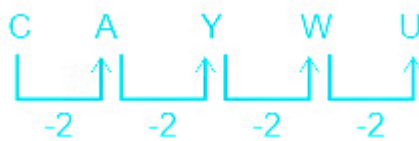
Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The logic followed here is :-

1) HFDZX



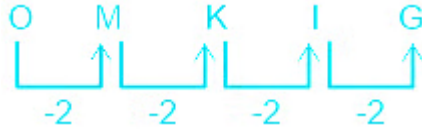
2) CAYWU



3) TRPNL



4) OMKIG



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

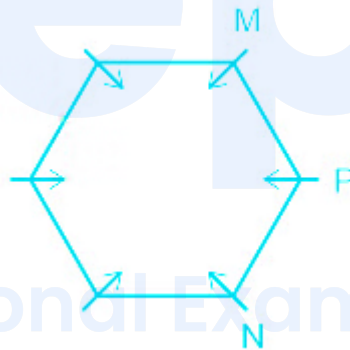
Hence, the correct answer is "HFDZX".

21. Answer: a

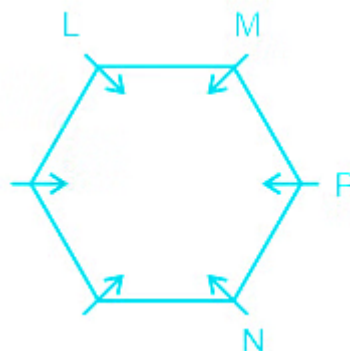
Explanation:

Six people, K, L, M, N, O and P, are sitting on the ground in a hexagonal shape but not necessarily in the same order.

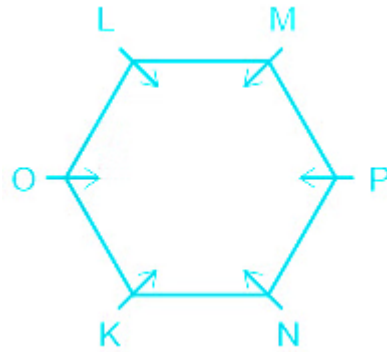
1) P is in the middle of M and N.



2) L is the neighbour of M.



3) N is not sitting next to M or O and K is not sitting next to L or M.



∴ Here, the seating positions of the people in clockwise direction is 'L-M-P-N-K-O'.

Hence, the correct answer is "L-M-P-N-K-O".

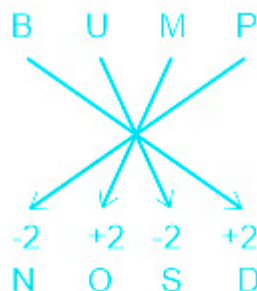
22. Answer: d

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

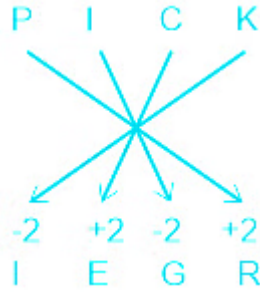
The logic followed here is :-

BUMP : NOSD



Similarly,

PICK : ?



Hence, the correct answer is "IEGR".

23. Answer: a

Explanation:

The logic followed here is :-

Sword is one of the equipment of weapon.

Similarly,

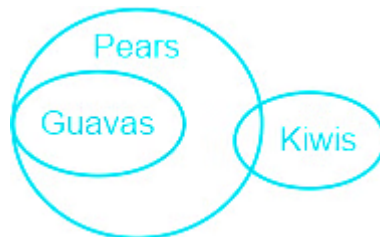
Necklace is one of the item in Jewellery.

Hence, the correct answer is "Jewellery".

24. Answer: b

Explanation:

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



Conclusions:

I. Some kiwis are guavas → False (As Some kiwis are pears so, Some kiwis are guavas is false)

II. Some pears are kiwis → True (As Some kiwis are pears so, Some pears are kiwis is true)

∴ Here, Only conclusion II is true.

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

25. Answer: d

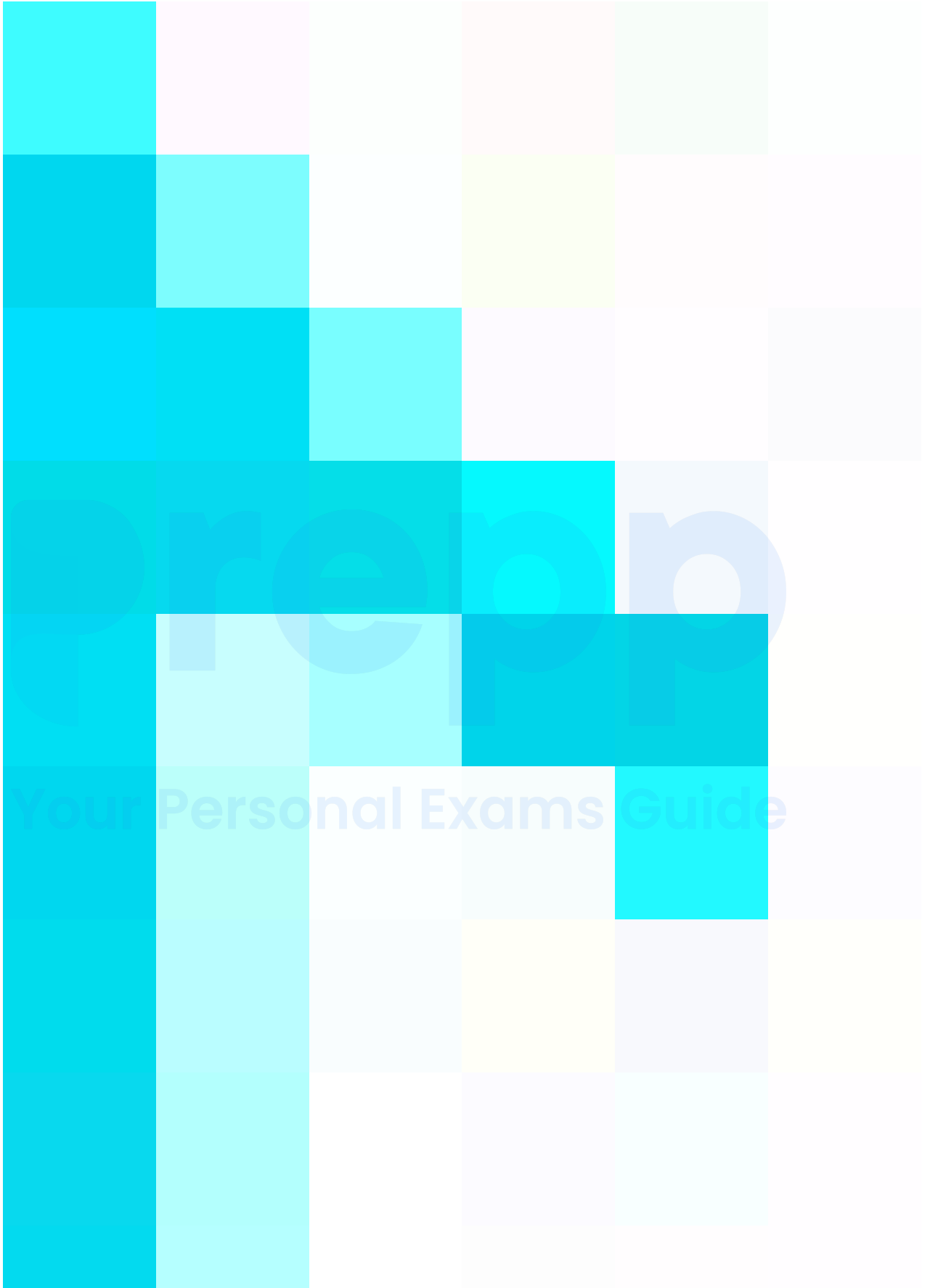
Explanation:

The correct mirror image of the given combination when the mirror is placed at PQ is as shown below :-



Detailed Explanation:

- The line PQ is the mirror.
- The word "fhdB31" ends with number '1'. So, the mirror image starts with "





prepp

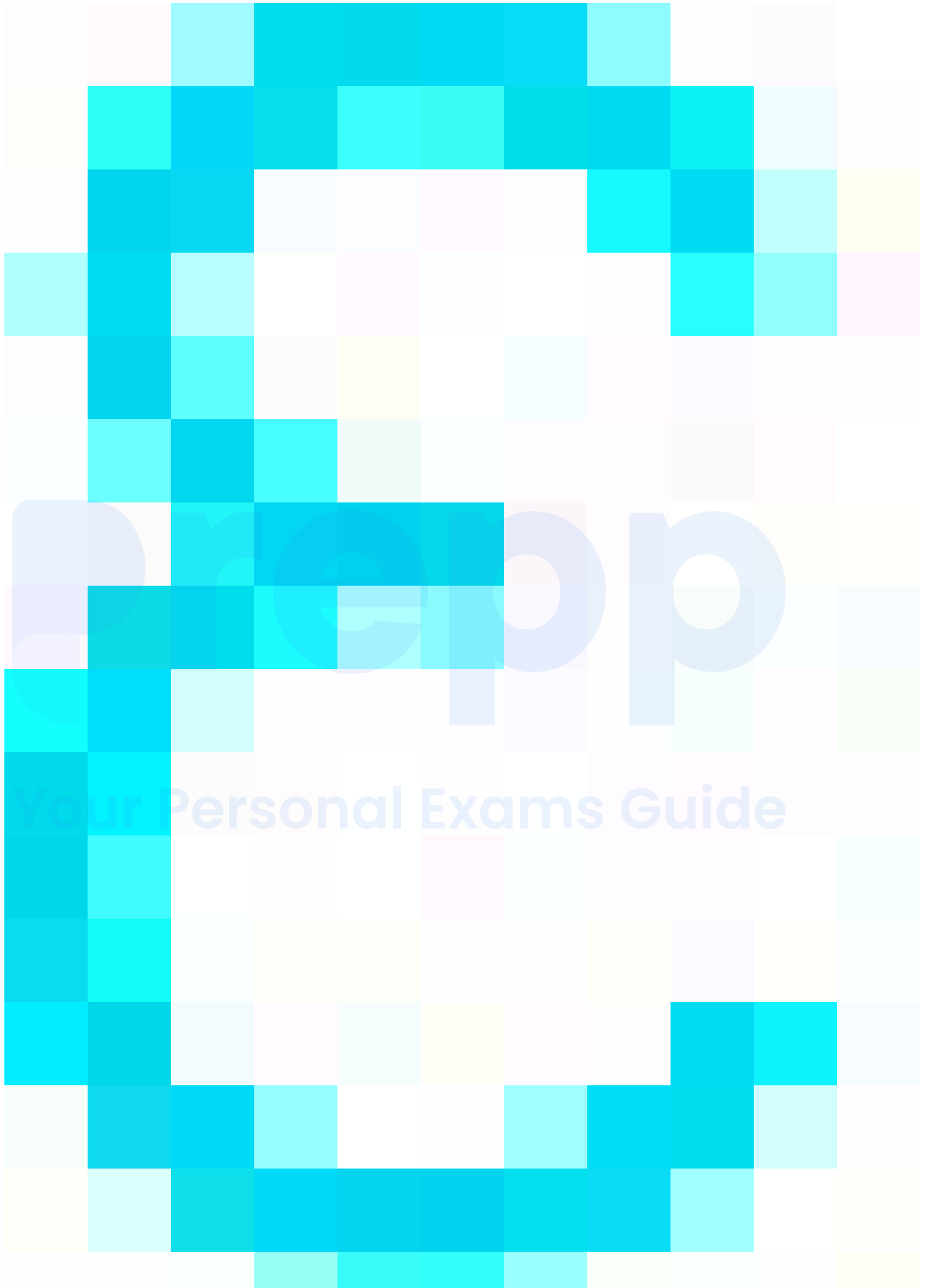
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" ⇒ Option 3 is eliminated.

- The word "fhdB31" has last second number '3'. So, the mirror image should be "

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" ⇒ Option 1 is eliminated.

prepp

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- The word "fhdB31" has last fourth letter 'd'. So, the mirror image should be "

prepp

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" ⇒ Option 2 is eliminated.

Hence, the correct answer is "option 4".

26. Answer: a

Explanation:

The correct answer is 16.

★ Key Points

- **16 drugs** were removed from the National List of Essential Medicines (NLEM) in **September 2021**.
- In NLEM, the medicines are categorized based on level of healthcare system as- P (Primary); S (Secondary) and T (Tertiary).
- The National List of Essential Medicines was first formulated in 1996 and it was revised thrice earlier in 2003, 2011, and 2015.
- The independent Standing National Committee on Medicines (SNCM) was constituted by Union Health Ministry in 2018.

★ Additional Information

- Dr Mansukh Mandaviya, Union Minister for Health and Family Welfare, launched National Lists of Essential Medicines (NLEM) 2022, on **13 September 2022**.
- 384 drugs have been included in this list with addition of 34 drugs.
- The "essential medicines" are those that satisfy the priority health care needs, based on efficacy, safety, quality and total cost of the treatment.

27. Answer: d

Explanation:

The correct answer is State Bank of India.

★ Key Points

- The **State Bank of India** signed a \$1 billion loan agreement with **Japan Bank for International Cooperation in October 2020**.
- The loan is intended to promote the smooth flow of funds for the whole range of business operations of Japanese automobile manufacturers in India.
- \$600 mn will be financed by JBIC while the remaining amount will be financed by other participating banks.

★ Additional Information

- SBI (Sept 2022):
 - Founded – 1 July 1955.
 - Chairperson – Dinesh Kumar Khara.
 - Headquarters – Mumbai.

28. Answer: a

Explanation:

The correct answer is Temperature above 35°C.

★ Important Points

- **Conditions required for tea plantations:**
- Well-distributed rainfall of around **150–300 cm** is considered suitable for successful tea production .
- The monthly average maximum temperature range between 28°C and 32°C during April to September.
 - **Hence Temperature above 35°C is harmful.**
- As far as soil conditions are concerned, generally, sandy loam to silty loam type of soil with a pH range of 4.5–5.5 is ideal for growing tea.

- Tea is a **shade-loving plant** and develops more vigorously when planted along with shady trees.
- Soil should possess a minimum of 1% of organic carbon, 1-2% of organic matter, 35ppm of P 2O 5 and K 2O for the successful establishment of tea.
- Planting of tea is done either in spring (June-July) after the first few showers of rain or in autumn (October-November) while the soil is still moist and the area has irrigation facilities.

29. Answer: b

Explanation:

The correct answer is The Shadow of God.

★ Key Points

- The Persian chronicles described the Muslim Sultans as **The Shadow of God**.
- The Muslim sultans and Padshahs did not claim to be reincarnations of god.
- But Persian court chronicles described them as shadow of god.
- An inscription in the Quwwat al-Islam mosque explained that God chose **Alauddin (Sultan) as a king** because he had the qualities of **Moses and Solomon**, the great lawgivers of the past.
- The **greatest lawgiver and architect was God Himself**.
- He created the **world out of chaos and introduced order and symmetry**.

★ Additional Information

- Balban called himself the 'Shadow of God'.
- He was a member of Chalisa or Chahalgani but he broke the power of Chahalgani and restored the prestige of the crown.
- He created a strong centralized army and established the military department *Diwan-i-Arz*.
- He separated military affairs from the finance department (*Diwan-i-Wazarat*).

30. Answer: c

Explanation:

The correct answer is

Sponge.



Key Points

- Sponges belong to the phylum Porifera.
- They are generally marine and mostly asymmetrical animals.
- These are primitive **multicellular animals** and have a cellular level of organization.
- "Spongilla" is a freshwater sponge .
- It is a member of the family Spongillidae
- It is generally found in lakes, ponds, and slow streams

★ **Additional Information**

- Paramoecium is a single-celled freshwater animal that has a characteristic slipper-like shape and is covered with cilia.
- An amoeba often called an amoeboid , is a type of cell or unicellular organism which has the ability to alter its shape , primarily by extending and retracting pseudopods .
- **Chlamydomonas** is a genus of green algae consisting of about 150 species all unicellular flagellates, found in stagnant water and on damp soil, in freshwater, seawater, and even in snow as "snow algae".

31. Answer: d

Explanation:

The correct answer is 25 January 2030.

★ Key Points

- The Constitution (**One Hundred and Twenty-Sixth Amendment**) Bill, 2019 aims to retain the inclusive character as envisioned by the founding fathers of the Constitution of India by continuing the reservation of seats for the scheduled castes and the scheduled tribes up to **25 January 2030** .
- Parliament has passed the Constitution (One Hundred and Twenty-Sixth Amendment) Bill 2019 with Rajya Sabha approving it on 12 Dec 2019.
- The Bill seeks to extend the reservation for SCs and STs in Lok Sabha and State Assemblies by another ten years till January 25, 2030.
- The govt is trying to set up all India Judicial Service and it is of the view to provide reservations to SCs and STs in it.

32. Answer: d

Explanation:

The correct answer is The UK.

★ Key Points

- **Emma Raducanu** is a professional tennis player from The UK .
- US Open champion Emma Raducanu has been voted BBC Sports Personality of the Year 2021 .
- She has become the third WTA (Women's Tennis Association) player to win the award in its 67-year history.
- Raducanu became the first British woman to win a Grand Slam singles title after defeating Leylah Fernandez.

★ Additional Information

- The Grand Slam itinerary consists of:
 - the Australian Open in mid-January,
 - the French Open (also known as Roland Garros) from around late May to early June,
 - Wimbledon in June–July, and

- the US Open in August–September.
- Each tournament is played over a two-week period.
- Rafael Nadal is the winner of most Grand Slams titles with 22 titles to his name.

33. Answer: c

Explanation:

The correct answer is The later Mughals kept a good check on their powerful 'mansabdars'.

★ Important Points

- By the 17th century, the Mughal Empire started facing a lot of crises.
- The main cause for this was **Aurangzeb's exploitations in Deccan India.**
- Aurangzeb fought a **long war** in the Deccan.
 - This war resulted in the **depletion of military and financial resources of the Mughal Empire.**
 - It left the Empire unstable for future generations.
 - **Hence statement 1 is correct.**
- Under the rule of his successors, the efficiency of **imperial administration broke down too.**
 - **Hence statement 2 is correct.**
- The **peasants and zamindars** added to this problem by **starting rebellions** in northern and western India.
 - They did this because of the taxes which **had been increased due to the corruption by mansabdars.**
 - **Hence statement 4 is correct.**
- During this period, **Nadir Shah (ruler of Iran) attacked Delhi** and looted away a large amount of wealth.
- **Ahmad Shah Abdali** invaded north India five-time from 1748 to 1761.
- **Hence statement 3 is incorrect.**

34. Answer: b

Explanation:

The correct answer is evaporation.

★ Key Points

- Change of a liquid into gas at any temperature below its boiling point is called **evaporation**.
- Evaporation is the process by which water changes from a liquid to a gas or vapor.
- Evaporation is the primary pathway that water moves from the liquid state back into the water cycle as atmospheric water vapor.

★ Additional Information

- Sublimation is the conversion between the solid and the gaseous phases of matter, with no intermediate liquid stage.
 - An example of sublimation is naphthalene, dry ice.
- Condensation is the process by which water vapor in the air is changed into liquid water.
 - Condensation is crucial to the water cycle because it is responsible for the formation of clouds. Condensation is the opposite of evaporation.
- **Crystallisation** is an example of **physical change**.
 - It involves separation of solid-liquid separation technique, which involves the transfer of solute to the pure solid crystalline phase from the liquid solution.

35. Answer: c

Explanation:

The correct answer is By each ruler getting a picture made of Timur and himself.

★ Important Points

- Mughals were proud of the timurid dynasty because their great ancestor had captured Delhi in 1398.
- Their pride was celebrated by **getting a picture made of timur with themselves**.
- The Mughals were descendants of two lineages :
 - From their mother's side , they were descendants of Genghiz Khan, the Mongol ruler.
 - From their father's side , they were successors of Timur, the ruler of Iran, Iraq, and modern-day Turkey.
- The Mughals did not like to be called Mughal or Mongols as Genghiz Khan was associated with the massacre of people.
- However, they were proud of their Timurid ancestry because Delhi was captured by their ancestor in 1398.

36. Answer: a

Explanation:

The correct answer is Bal Gangadhar Tilak.

★ Key Points

- **Bal Gangadhar Tilak**, also known as Lokmanya Tilak or "The Maker of Modern India" by Mahatma Gandhi, wrote the book Gita Rahasya .
- Geeta Rahasya is the analysis of karma-yoga in the Bhagat Gita , which is known to be the gift of the Vedas and the Upanishad .
- It includes:
 - an external examination of the Gita
 - the original Sanskrit stanzas
 - their Marathi translation
 - commentaries on the stanzas, and
 - a comparison of Eastern with Western doctrines etc.

★ Additional Information

- **Bal Gangadhar Tilak** was a leader of the Indian independence movement.
- He was also called the Father of Indian Unrest.
- Tilak joined Congress in 1890.
- He was opposed to moderate ways and views and had a more radical and aggressive stance against British rule.
 - The extremists led by him.
- He gave the slogan, " Swaraj is my birthright and I shall have it. "
- He believed that no progress was possible without self-rule.
- He was part of the extremist faction of the INC and was a proponent of boycotts and Swadeshi movements.
- He published two papers – Kesari in Marathi and Mahratta in English .

37. Answer: c

Explanation:

The correct answer is Francisco de Almeida.

★ Key Points

- Francisco De Almeida was the first Portuguese Viceroy in India, he constructed fort Anjediva .
- Alfonso De Albuquerque he is known as the real founder of Portuguese power in India, he was also known as the greatest Portuguese Viceroy in India.
 - Alfonso De Albuquerque set up his headquarters in Cochin.
- Nino Da Cunha was a Portuguese governor in India from 1528 to 1538. He shifted Portuguese headquarters from Cochin to Goa.

★ Additional Information

- **Joseph Marquis Dupleix** was Governor-General of French India and rival of Robert Clive.
- Robert Clive was the First Governor of Bengal at the time of the company's rule who took office in 1758 after the assassination of the Nawab in Murshidabad in 1757.
 - Dual Administration was introduced in the year 1765 by Robert Clive.

- Robert Clive the first English Governor of Bengal presidency made a settlement with the Nawab of Awadh in 1765, this settlement was also referred to as the First Treaty of Allahabad.

38. Answer: a

Explanation:

The correct answer is Badland topography.

★ Key Points

- **Badland topography** is a region with a large number of **deep gullies or ravines**.
- It is the result of **gully erosion**.
- Badland topography is a type of dry terrain where sedimentary rocks and clay-rich soils have been **extensively eroded by wind and water**.
- The characteristics of the badlands are steep slopes, minimal vegetation, lack of a substantial regolith, and high drainage density.
- Badlands develop in **arid to semiarid areas**.

★ Additional Information

- In **Madhya Pradesh**, badlands are seen along Chambal, Sindh, Gomati and their tributaries
- In **Uttar Pradesh**, the problem of ravine erosion and the formation of badlands has been noticed along the Yamuna.
- Also, the Badland topography is due to vertical erosion caused by river.
- *Badland topography is a characteristic feature of the Chambal basin.*
- Due to extensive gully erosion of this basin, the Chambal basin converts into Badland.
- Rivers such as Chambal when flows through the Malwa region make headward or vertical erosion to cut deep ravines

39. Answer: d

Explanation:

The correct answer is Silicon.

★ Key Points

- Laterite soil is reddish to yellow, with low levels of potassium, phosphorus, nitrogen, lime, and magnesia, and high levels of aluminium, iron, titanium, and manganese oxides (90 to 100 per cent).
 - Hence **Laterite soil is poor in oxides in Silicon**.
- The Red colour is due to iron oxide present in the Laterite soil.
- Laterite soil is formed as a result of high leaching.
- Laterite soil is deficient in Nitrogen, Potash, Potassium, Lime, and Humus.
- Rice, Ragi, Sugarcane, and Cashew nuts are mainly cultivated in Laterite Soil.
- The humus content is low in Laterite Soil.

★ Additional Information

- Soil is one of the most important natural resources.
- Soil is the mixture of rock debris and organic materials which develop on the earth's surface.
- It provides anchorage to the plants and supplies water and nutrients.
- Soil is essential for agriculture.
- Soil is of different types: clayey, loamy and sandy.

40. Answer: c

Explanation:

The correct answer is Contactless SBI Card.

★ Key Points

- **Contactless SBI Card** has launched its new brand campaign titled 'Contactless Connections', in October 2020
- The Contactless SBI Credit Cards, powered by Visa Contactless / Mastercard Contactless.
- It is a **fast and convenient way** to pay for everyday purchases.
- Simply tap your SBI Credit Card on a POS machine to make a contactless payment.
- Hence, there is no need to **swipe or dip your credit card**.

★ Additional Information

- Chairman, SBI- Dinesh Kumar Khara. (as of Sept 2022)
 - Headquarters- Mumbai.
 - Founded- 1 July 1955 .
 - It is the 43rd largest bank in the world.

41. Answer: a

Explanation:

The correct answer is Canada.

★ Key Points

- **Canada** has the world's largest ice rink called the 'Rideau Canal'.
- The Rideau Canal is also known unofficially as the **Rideau Waterway**.
- It connects **Canada's capital city of Ottawa, Ontario, to Lake Ontario and the Saint Lawrence River at Kingston**.
- It is **202 kilometres long**.

★ Additional Information

- **Wular lake** is one of the biggest freshwater lakes in Asia and it was formed as a result of tectonic activity.
- **Chilika Lake** in Odisha is the largest saline water lake in India.
- **Vembanad Lake** in Kerala is the longest lake in India.

- **Cholamu Lake** in Sikkim is the highest lake in India.
- **Lonar Lake** is a notified National Geo-heritage Monument, saline, soda lake, located at Lonar in Buldhana district, Maharashtra.

42. Answer: a

Explanation:

The correct answer is July 2004.

★ Key Point

- The Fiscal Responsibility and Budget Management (FRBM) Act is a law enacted by the Government of India in 2003 to ensure fiscal discipline by setting targets including the reduction of fiscal deficits and elimination of revenue deficits .
- It came into force in 5 July 2004.

★ Additional Information

- The main objectives of the act were:
 - Introduce transparent fiscal management systems in the country.
 - Introduce a more equitable and manageable distribution of the country's debts over the years.
 - Aim for fiscal stability for India in the long run.
 - Ensure that public debt does not exceed 50% of the GDP of the year from 2011.
- Revenue Deficit Target – revenue deficit should be eliminated by March 31, 2018. The minimum annual reduction target was 0.5% of GDP .
- Fiscal Deficit Target – fiscal deficit should be reduced to 3% of GDP by March 31, 2018. The minimum annual reduction target was 0.3% of GDP .
- In May 2016 , the government set up a committee under NK Singh to review the FRBM Act .
 - The committee recommended that the government should target a fiscal deficit of 3% of the GDP in years up to March 31, 2020, cut it to 2.8% in 2020-21, and to 2.5% by 2023.

43. Answer: c

Explanation:

The correct answer is Shillong Chamber Choir.

★ Key Points

- Neil Nongkynrih is a concert pianist and founder of **Shillong Chamber Choir** from India.
- Shillong Chamber Choir is an Indian chamber choir based in Shillong, Meghalaya that was founded in 2001.
- In 2010, he led his choir to win India's Got Talent.
- In 2015, he was awarded the **Padma Shri**, India's fourth-highest civilian award.
- The Choir's rendition of "**Vande Mataram**" was played during the telecast of Chandrayaan II's launch.

★ Additional Information

- Neil Nongkynrih was an Indian musical performance pianist and conductor.
- Nongkynrih learned music at Trinity College and Guildhall School of Music in London.
- He represent in many concert as a concert pianist in United Kingdom.

44. Answer: c

Explanation:

The correct answer is 1934.

★ Key Points

- The Badminton Association of India is the governing body of badminton in India.

- It was formed in 1934 and has been holding national-level tournaments in India since 1936.
- BAI is an association registered under the Society's act.
- Headquarters: New Delhi.

★ Additional Information

- Himanta Biswa Sarma has been elected as the new president of the Badminton Association of India (BAI). (Sept 2022)
- He was elected unopposed during the federation election in Goa on April 3, 2018.
- He will serve as the president for a term of four years.
- He was the interim president of BAI last year because of the demise of former president Akhilesh Das Gupta.

45. Answer: b

Explanation:

The correct answer is 2023.

★ Key Points

- India will assume the presidency of the G20 (Group of Twenty) for a year starting 1 December 2022 and is expected to host over 200 meetings across the country during its presidency tenure.
- The next G20 summit will be held in New Delhi on September 9 and September 10, 2023.

★ Additional Information

- **The G20 is an intergovernmental forum** of the world's major developed and developing economies. It comprises Argentina, Australia, Brazil, Canada, China, France, Germany, India, Indonesia, Italy, Japan, the Republic of Korea, Mexico, Russia, Saudi Arabia, South Africa, Turkey, the UK, the US, and the European Union.

- The G20 presidency keeps rotating every year among member nations.
- The country holding the presidency, together with the previous and next presidency-holder, forms the 'Troika.'

46. Answer: a

Explanation:

The correct answer is Narendra Modi.

★ Key Points

- The book was released by the governor of Maharashtra Bhagat Singh Koshyari.
- The book is an English adaptation of the book *Saakshi Bhaav* written in Gujarati by Prime Minister Narendra Modi .
- The English translation of this book has been done by the writer Bhavna Somaaya.
- In this book, Prime Minister Narendra Modi has depicted the love of motherhood.

★ Additional Information

- **Books by Jawaharlal Nehru:**
 - Letters for a Nation .
 - A bunch of old letters. .
 - The discovery of India .
 - Words of freedom: Ideas of a nation .
 - letters from a father to his daughter
- **Books by Manmohan Singh :**
 - Leverage: A Broader View
 - Changing India
 - Collateral and Financial Plumbing
 - Financial Plumbing and Monetary Policy

47. Answer: c

Explanation:

The correct answer is Hindu Succession Amendment Act 2005.

★ Key Points

- According to **Hindu Succession Amendment Act 2005**, sons, daughters and their mothers get an equal share of family property.
- The Hindu Succession (Amendment) Act, 2005 (39 of 2005) was enacted to remove gender discriminatory provisions in the Hindu Succession Act, 1956.
- Under the amendment, the daughter of a coparcener shall by birth become a coparcener in her own right in the same manner as the son.
- The daughter shall now have the same rights in the coparcenary property (ancestral property of the Hindu undivided family) as a son.
- It was essentially meant for removing gender-discriminatory provisions regarding property rights in the **Hindu Succession Act, 1956**.

★ Additional Information

- The Hindu marriage act was enacted in 1955 by an Act of Parliament.
 - The main objective of this Act is to amend and codify the Hindu marriage laws.
 - It also contains provisions relating to separation and divorce. It brought uniformity of law for all sections of Hindus.

48. Answer: c

Explanation:

The correct answer is Kuchipudi.

★ Key Points

- Laxmi Narayana Sastri associated with **Kuchipudi** .
- The dance form derives its name from a village named Kuchipudi in the Indian state of Andhra Pradesh .
- Kuchipudi derives its roots from the ancient Hindu Sanskrit text of Natya Shastra and is a dance-drama performance.
- The dance drama performance has a long history in Andhra Pradesh and is known under the generic name Yakshagana .
- The systematized and modern version of Kuchipudi was founded by Siddhendra Yogi in the 17th century. The Kuchipudi style of Yakshagana was conceived by Yogi. He was guided by his guru Tirthanarayana Yogi .
- It is largely devoted to the Hindu God - Krishna and it is most closely related to Bhagavata Mela.
- Traditionally this dance form is performed only by male artists, later female artists were also allowed.
- The dance drama has the following components:
 - Dharavu - a short preliminary dance performed by the artists after their roles are introduced.
 - Nritha - it is the pure dance performance presented after the Dharavi. It includes parts viz., darus, jatis, jatiswarams , tirmanas, and tillanas.
 - Nritya - it is the expressive part of the performance where the story is conveyed through rhythmic hand gestures. It includes padams, varnams, shabdams, and shlokas.
 - Natya - it is performed when the underlying text is a play.

★ **Additional Information**

- The other seven classical Indian dance forms are as follows:
 - Bharatnatyam - Tamil Nadu
 - Kathak - Uttar Pradesh, Rajasthan
 - Kathakali - Kerala
 - Manipuri - Manipur
 - Mohiniyattam - Kerala
 - Odissi - Odisha
 - Sattriya - Assam

49. Answer: c

Explanation:

The correct answer is Dr Harsh Vardhan.

★ Key Points

- Dr Harsh Vardhan, Union Minister for Health and Family Welfare chaired 'Aarogya Manthan' 2.0 on 22 September 2020.
- This was a part of the celebrations of the 2nd Anniversary of **Ayushman Bharat- Pradhan Mantri Jan Aarogya Yojana (AB-PMJAY)**.
- He also launched the AB PMJAY Joint Certification Programme and released the "AB PMJAY Anti-Fraud Framework: Practitioners' Guidebook".

★ Additional Information

- **Ayushman Bharat launched in 2018**, a flagship scheme of the Government of India, was launched as recommended by the National Health Policy 2017, to achieve the vision of Universal Health Coverage (UHC).
- Ayushman Bharat is a Centrally Sponsored Scheme.
- Ayushman Bharat meets to design Sustainable Development Goals (SDGs) and its underlining commitment, which is to leave no one behind.
- Ayushman Bharat has two inter-related components.
 - Health And Wellness Centre
 - Pradhan Mantri Jan Aarogya Yojana

50. Answer: c

Explanation:

The correct answer is Acetic Acid.

★ Key Points

- The chemical name of vinegar is acetic acid .
- It is the second simplest carboxylic acid . Its other names are Hydrogen acetate and methane carboxylic acid .
- Its chemical formula is $C_2H_4O_2$.
- Acetic acid is produced industrially both synthetically and by bacterial fermentation.

★ Additional Information

- Common names of some of the chemicals are as follows
 - Hydrochloric acid - Masonry cleaner
 - Lactic Acid - Milk Acid
 - Magnesium silicate - Talc
 - Acetylsalicylic acid - Aspirin
 - Ascorbic acid - Vitamin C
 - Boric acid- Ant Killer
 - Nitrous oxide - Laughing gas

51. Answer: b

Explanation:

Given:-

Cost of 8 pens and 14 pencils = Cost of 12 pens and 5 pencils

Calculation:-

Let Cost of 1 pen be x and Cost of 1 pencil be y,

According to question-

$$\Rightarrow 8x + 14y = 12x + 5y$$

$$\Rightarrow 4x = 9y$$

$$\Rightarrow x/y = 9/4$$

∴ Ratio of cost of one pen to the cost of one pencil is 9 : 4.

52. Answer: d

Explanation:

Given:

The curved surface area of the cylinder = 96 cm^2

The volume of the cylinder = 672 cm^3

Formula used:

Volume of cylinder = $\pi r^2 h$

Curved surface area of cylinder = $2\pi r h$

Diameter = $2 \times \text{radius}$

Calculation:

Here, $\pi r^2 h = 672$ -----(1)

And $2\pi r h = 96$ -----(2)

Dividing (1) by (2) we get,

$$\Rightarrow r/2 = 7$$

$$\Rightarrow r = 14$$

$$\Rightarrow \text{Diameter} = 2 \times 14 = 28$$

∴ The correct answer is 28 cm.

53. Answer: a

Explanation:

Given:-

$$D_1 = 34 \text{ km}$$

$$D_2 = 40 \text{ km}$$

$$\text{Speed of stream (u)} = 4 \text{ km/h}$$

$$T_1 = 1.25 \times T_2$$

Formula used:-

$$\text{Time} = \text{Distance}/\text{Speed}$$

When boat go upstream,

$$\text{Relative speed} = v - u$$

When boat go downstream,

$$\text{Relative speed} = v + u$$

Where, v = speed of boat in still water

Calculation:-

When boat go upstream,

$$\text{Time (} T_1 \text{)} = \text{Distance (} D_1 \text{)}/\text{Speed (} v - u \text{)}$$

$$T_1 = 34/(v - u) \quad \dots\dots(i)$$

When boat go downstream,

$$\text{Time (} T_2 \text{)} = \text{Distance (} D_2 \text{)}/\text{Speed (} v + u \text{)}$$

$$T_2 = 40/(v + u) \quad \dots\dots(ii)$$

According to question,

$$\Rightarrow 34/(v - u) = 1.25 \times 40/(v + u)$$

$$\Rightarrow 34v + 136 = 50v - 200$$

$$\Rightarrow 16v = 336$$

$$\Rightarrow v = 21 \text{ km/h}$$

\therefore Speed of the boat in still water is 21 km/h.

54. Answer: c

Explanation:

Given:-

Average weight of 20 students = 54 kg

Average weight of 12 students = 52 kg

Average weight of 7 students = 56 kg

Formula used:-

Average = (Sum of all weight)/(Total no. of weight)

Calculation:-

According to question-

$$\Rightarrow (\text{Sum of 20 students})/20 = 54$$

$$\Rightarrow \text{Sum of 20 students} = 54 \times 20$$

$$\Rightarrow \text{Sum of 20 students} = 1080$$

$$\therefore \text{Sum of 12 students} = 52 \times 12$$

$$\Rightarrow \text{Sum of 12 students} = 624$$

$$\Rightarrow \text{Sum of 7 students} = 56 \times 7$$

$$\Rightarrow \text{Sum of 7 students} = 392$$

Average of remaining students = (Sum of 20 students + Sum of 12 students - Sum of 7 students)/(20 + 12 - 7)

$$\text{Average of remaining students} = (1080 + 624 - 392)/25$$

$$\text{Average of remaining students} = 1312/25 = 52.48$$

\therefore Average of remaining students is 52.48.

55. Answer: b

Explanation:

Given:

Marked Price of an item = Rs. 1200

Selling Price of an item = Rs. 864

A shopkeeper offers successive discounts of 10% and k% on Marked price.

Concept used:

$$S.P = M.P \times (100 - D\%)/100$$

Where, S.P = Selling Price, M.P = Marked Price, D = Discount

Calculation:

According to the question,

$$S.P = M.P \times (100 - D\%)/100$$

$$\Rightarrow 864 = 1200 \times [(100 - 10)/100] \times [(100 - k)/100]$$

$$\Rightarrow 864 = 1200 \times (90/100) \times (100 - k)/100$$

$$\Rightarrow k = 20\%$$

\therefore The Required answer is 20%.

56. Answer: a

Explanation:

Given: T

$$2 - \left[\frac{1}{2} + \frac{1}{4} + \frac{1}{6} \div \left(\frac{3}{4} - \frac{1}{2} \right) \right]$$

Concept Used:

Follow BODMAS rule to solve this question, as per the order given below,

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

Calculation:

$$2 - \left[\frac{1}{2} + \frac{1}{4} + \frac{1}{6} \div \left(\frac{3}{4} - \frac{1}{2} \right) \right]$$

$$\Rightarrow 2 - \left[\frac{1}{2} + \frac{1}{4} + \frac{1}{6} \div \left(\frac{3-2}{4} \right) \right]$$

$$\Rightarrow 2 - \left[\frac{1}{2} + \frac{1}{4} + \frac{1}{6} \div \frac{1}{4} \right]$$

$$\Rightarrow 2 - \left[\frac{1}{2} + \frac{1}{4} + \frac{1}{6} \times \frac{4}{1} \right]$$

$$\Rightarrow 2 - \left[\frac{1}{2} + \frac{1}{4} + \frac{2}{3} \right]$$

$$\Rightarrow 2 - \left[\frac{6+3+8}{12} \right]$$

$$\Rightarrow 2 - \frac{17}{12}$$

$$\Rightarrow \frac{24-17}{12}$$

$$\Rightarrow \frac{7}{12}$$

\therefore The value is $\frac{7}{12}$

57. Answer: d

Explanation:

Given:

Average weight of students in a class = 58.5 kg

If 8 more students with average weight of 64.5 kg joined the class, then average weight of all the students increased by 0.96 kg

Formula used:

Average = Sum of the total weight of students / Total number of students

Calculation:

Let the number of students initially in a class be x.

Average = Sum of the total weight of students / Total number of students

$$58.5 = \text{Sum of the total weight of students} / x$$

$$\text{Sum of the total weight of students} = 58.5x$$

If 8 more students with average weight of 64.5 kg joined the class then,

$$64.5 = \text{Sum of the weight of 8 students} / 8$$

$$\text{Sum of the weight of 8 students} = 64.5 \times 8 = 516$$

Now, After joining 8 students average weight increases 0.96 kg, then new average of total students = $58.5 + 0.96 = 59.46$

Now, total number of students = $(x + 8)$

Sum of x students + sum of 8 students = sum of total $(x + 8)$ students

$$\Rightarrow 58.5x + 516 = (x + 8)59.46$$

$$\Rightarrow 58.5x + 516 = 59.46x + 475.68$$

$$\Rightarrow 59.46x - 58.5x = 516 - 475.68$$

$$\Rightarrow 0.96x = 40.32$$

$$\Rightarrow x = 40.32/0.96$$

$$\Rightarrow x = 42$$

\therefore The number of students initially in a class is 42.

58. Answer: b

Explanation:

Given:

Three persons start a morning walk together and their step measure 70cm, 75cm, and 80cm respectively.

Calculation:

Their steps measure 70cm, 75cm, and 80cm respectively

Minimum distance covered by each = $\text{LCM}(70, 75, 80)$

For LCM

$$\Rightarrow 70 = 2 \times 5 \times 7$$

$$\Rightarrow 75 = 3 \times 5^2$$

$$\Rightarrow 80 = 2^4 \times 5$$

$$\text{Now, LCM} = 2^4 \times 5^2 \times 3 \times 7 = 8400$$

So, the minimum distance covered by each is 8400cm.

59. Answer: c

Explanation:

Given:

First number is 20% more than third number.

Second number is 50 % more than third number.

Solution:

Let the third number is 100

Then the first number = $100 \times 120\% = 120$

And Second number = $100 \times 150\% = 150$

The ration of the first 2 number = $120 : 150$

$\Rightarrow 4 : 5$

Ratio of first 2 number is $4 : 5$.

60. Answer: b

Explanation:

Given:

A sum amounts to Rs. 4,260 in 5 years at the rate of 4% p.a. simple interest.

The same sum for $4\frac{1}{5}$ years at the rate of $8\frac{1}{2}$ % p.a.

Formula used:

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

$$\text{Amount} = P + S.I$$

Where, P = Principal, R = Rate, T = Time and S.I = Simple Interest

Calculation:

Let the principal be x.

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

$$\Rightarrow (x \times 4 \times 5)/100$$

$$\Rightarrow 20x/100 = x/5$$

$$\text{Amount} = P + S.I$$

$$\Rightarrow 4260 = x + x/5$$

$$\Rightarrow 6x/5 = 4260$$

$$\Rightarrow x = 3550$$

Simple interest on the same sum for $4\frac{1}{5}$ years at the rate of $8\frac{1}{2}$ % p.a. is,

$$S.I = (3550 \times 8\frac{1}{2} \times 4\frac{1}{5})/100$$

$$\Rightarrow (3550 \times 17/2 \times 21/5)/100$$

$$\Rightarrow 1267.35 \approx 1267.$$

∴ The Required Simple Interest is Rs. 1267.

61. **Answer: c**

Explanation:

Given:

A candidate got 75% of the total valid votes.

The total number of votes is 560000.

Total invalid votes are 20%.

Calculation:

Total number of invalid votes = 20% of 5,60,000

$$\Rightarrow \frac{20}{100} \times 5,60,000 = 1,12,000$$

Total number of valid votes = 5,60,000 - 1,12,000 = 4,48,000

Therefore, A candidate got 75% of the total valid votes

$$\Rightarrow 4,48,000 \times \frac{75}{100} = 3,36,000$$

∴ The number of valid votes polled in favour of the candidate is 3,36,000.

★ Shortcut Trick

The number of valid votes polled in favour of the candidate

$$\Rightarrow 5,60,000 \times \frac{80}{100} \times \frac{75}{100} = 3,36,000$$

∴ The number of valid votes polled in favour of the candidate is 3,36,000.

62. Answer: b

Explanation:

Given:

List price of a fan = Rs. 4.500

First discount percentage = 15%

Final selling price = Rs. 3,213

Formula used:

Discount = MP - SP

Discount = $(MP - SP) / MP \times 100$

MP = Market Price

SP = Selling Price

Calculation:

MP = Rs. 4500

Discount = 15%

Initial selling price = $4500 \times 15/100$

⇒ 3825

Final selling price = Rs. 3213

Discount = $3825 - 3213$

⇒ 612

Second Discount percentage = $(612/3825) \times 100$

⇒ 16%

∴ The correct answer is **16%**.

★ **Shortcut Trick:**

Discount = 15% (15% = $3/20$)

MP = 4500

⇒ $20 = 4500$

$$\Rightarrow 1 = 225$$

$$\text{Initial SP} = 225 \times 17 = 3825$$

$$\text{Discount} = 3835 - 3213$$

$$\Rightarrow 612$$

$$\text{Second discount percent} = (612/3825) \times 100$$

$$\Rightarrow 16\%$$

★ Important Points:

List price is nothing but market price.

63. Answer: a

Explanation:

Given:

Certain number of men complete task in 60 days

9 more men joined then time taken = 50 days

Formula used:

Work Done = Time \times Efficiency

Calculation:

Let the number of men be M

According to question,

$$\Rightarrow M \times 60 = (M + 9) \times 50$$

$$\Rightarrow 10M = 450$$

$$\Rightarrow M = 45$$

\therefore The correct answer is **45**.

64. Answer: d

Explanation:

Given:

Bike A moves at a speed of 30 km/h.

Bike A covers some distance for 2 hours.

Bike B moves at a speed of 35 km/h.

Formula used:

$$\text{Speed} = \text{Distance} / \text{Time}$$

Calculation:

$$\text{Distance} = \text{Speed} \times \text{Time}$$

$$\Rightarrow 30 \times 2 = 60 \text{ km}$$

Time is taken by bike B to cover the distance.

$$\text{Time} = \text{Distance} / \text{Speed}$$

$$\Rightarrow \frac{60}{35} = \frac{12}{7} \text{ hours}$$

The ratio of the time taken by bike A to that taken by bike B.

$$\Rightarrow 2 : \frac{12}{7} \text{ (Multiply by 7 on both sides)}$$

$$\Rightarrow 14 : 12$$

$$\Rightarrow 7 : 6$$

∴ The ratio of the time taken by bike A to that taken by bike B is 7 : 6.

65. Answer: d

Explanation:

Given:

Smallest number of 5 digits which is divided by 10, 15, 24, 35 and 42, leaves a remainder 7 in each case.

Solution:

LCM of 10, 15, 24, 35, and 42

$$\Rightarrow 10 = 2 \times 5$$

$$\Rightarrow 15 = 3 \times 5$$

$$\Rightarrow 24 = 2 \times 2 \times 2 \times 3$$

$$\Rightarrow 35 = 5 \times 7$$

$$\Rightarrow 42 = 2 \times 3 \times 7$$

$$\text{LCM} = 840$$

Smallest number of 5 digits = 10000

Smallest number of 5 digits which is divided by 840 = $840 \times 12 = 10,080$

Remainder 7 in each case = $10,080 + 7 = 10,087$

Sum of digits (10,087) = $1 + 0 + 0 + 8 + 7 = 16$

Sum of digits = 16

66. Answer: a

Explanation:

Given:

The total cost price of a watch and a fan is Rs. 1,170.

Rama sells the watch at a profit of 20% and the fan at a profit of 25%

Rama earns a total profit of Rs. 265.

Concept used:

$$P = S.P - C.P$$

$$S.P = C.P \times (100 \pm P/L)/100$$

$$P\% = (P/C.P) \times 100$$

Where, C.P = Cost Price, S.P = Selling price, P = Profit

Calculation:

Let the C.P of a watch be Rs. x and

The C.P of a fan is $1170 - x$.

According to the Question,

Rama sells the watch at a profit of 20%

$$S.P = C.P \times (100 \pm P/L)/100$$

$$\Rightarrow x \times (100 + 20)/100$$

$$\Rightarrow x \times 120/100 = 6/5 x$$

$$\text{Profit on Watch} = 6/5 x - x$$

$$\Rightarrow x/5$$

Rama sells the fan at a profit of 25%

$$S.P = C.P \times (100 \pm P/L)/100$$

$$\Rightarrow (1170 - x) \times (100 + 25)/100$$

$$\Rightarrow (1170 - x) \times 125/100 = (1170 - x) \times 5/4$$

$$\text{Profit on the fan} = [(1170 - x) \times 5/4] - (1170 - x)$$

$$\Rightarrow (1170 - x)/4$$

Now, If he earns a total profit of Rs. 265

$$\Rightarrow x/5 + (1170 - x)/4 = 265$$

$$\Rightarrow [4x + (1170 \times 5) - 5x] / 20 = 265$$

$$\Rightarrow x = 550$$

∴ The Required answer is Rs. 550.

★ Shortcut Trick

Let the cost price of the watch be Q.

so, the price of the fan = (1170 - Q)

According to the question,

$$Q \times 20\% + (1170 - Q) \times 25\% = 265$$

$$\Rightarrow 0.2Q + 292.5 - 0.25Q = 265$$

$$\Rightarrow 0.05Q = 27.5$$

$$\Rightarrow Q = 27.5/0.05$$

$$\Rightarrow Q = 550$$

∴ The cost price of the watch is Rs. 550.

67. Answer: c

Explanation:

Given:-

$$A_1 = \text{Rs.}12600$$

$$T_1 = 6 \text{ years}$$

$$A_2 = \text{Rs.} 21000$$

$$T_2 = 9 \text{ years}$$

Formula used:-

$$\text{Amount (A)} = P(1 + r/100)^n$$

where, r = rate of interest

Calculation:-

According to question,

$$\Rightarrow 12600 = P(1 + r/100)^6 \quad \dots\dots(i)$$

$$\Rightarrow 21000 = P(1 + r/100)^9 \quad \dots\dots(ii)$$

From eqn (ii) / eqn (i)

$$\Rightarrow 21000/12600 = (1 + r/100)^3$$

$$\Rightarrow (5/3)^{(1/3)} = (100 + r)/100 \quad \dots\dots(iii)$$

Now from eqn (i)

$$\Rightarrow 12600 = P(1 + r/100)^6$$

and from eqn (iii)

$$\Rightarrow 12600 = P[(5/3)^{1/3}]^6$$

$$\Rightarrow 12600 = P(5/3)^2$$

$$\text{Principal (P)} = 12600 \times 9/25$$

$$P = \text{Rs. } 4536$$

∴ Principal is Rs. 4536

68. Answer: c

Explanation:

Given:

Article was sold at x% profit for Rs. 875

The profit made was 3% more than the previous profit if the same article was sold for Rs. 896

Formula used:

$$P\% = \frac{SP-CP}{CP} \times 100$$

Calculation:

When article was sold at x% profit for Rs. 875

$$P\% = \frac{SP-CP}{CP} \times 100$$

$$x = \frac{875-CP}{CP} \times 100 \quad \dots(1)$$

If profit percentage increases 3% then,

$$\text{Profit \%} = (x + 3)\%$$

$$(x + 3) = \frac{896-CP}{CP} \times 100 \quad \dots(2)$$

Put the value of x in equation (2) from equation (1)

$$\frac{875-CP}{CP} \times 100 + 3 = \frac{896-CP}{CP} \times 100$$

$$\Rightarrow \frac{87500-100CP}{CP} + 3 = \frac{89600-100CP}{CP}$$

$$\Rightarrow \frac{87500 - 100CP + 3CP}{CP} = \frac{89600 - 100CP}{CP}$$

$$\Rightarrow 87500 - 97CP = 89600 - 100CP$$

$$\Rightarrow 100CP - 97CP = 89600 - 87500$$

$$\Rightarrow 3CP = 2100$$

$$\Rightarrow CP = 2100/3 = 700$$

Now, From equation (1)

$$x = \frac{875 - CP}{CP} \times 100$$

$$\Rightarrow x = \frac{875 - 700}{700} \times 100$$

$$\Rightarrow x = \frac{175}{700} \times 100$$

$$\Rightarrow x = 17500/700$$

$$\Rightarrow x = 25$$

∴ The value of x is 25

★ Shortcut Trick

$$(x + 3)\% - x\% = 896 - 875$$

$$\Rightarrow 3\% = 21$$

$$\Rightarrow 1\% = 7$$

$$\Rightarrow 100\% = 700$$

$$\therefore CP = 700$$

$$\text{Profit}(\%) = x\% = \frac{875 - 700}{700} \times 100 = \frac{17500}{700} = 25$$

∴ The value of x is 25

69. Answer: b

Explanation:

Given:

$$\text{Volume} = 154 \text{ liters} = 154000 \text{ cm}^3$$

The level falls down by 10 cm

$$\text{Height, } h = 10 \text{ cm}$$

Formula used:

$$\text{The volume of a cylinder} = \pi r^2 h$$

$$\text{Diameter, } d = 2r$$

Calculation:

$$\text{The volume of a cylinder} = \pi r^2 h$$

$$\Rightarrow 154000 = \frac{22}{7} \times r^2 \times 10$$

$$\Rightarrow r^2 = \frac{154000 \times 7}{22 \times 10} = 4900$$

$$\Rightarrow r = \sqrt{4900} = 70 \text{ cm}$$

$$\text{Diameter} = 2r = 2 \times 70 = 140 \text{ cm}$$

\therefore The diameter of the tank is 140 cm.

70. Answer: a

Explanation:

Given:

$$\text{Selling price} = 15,000$$

$$\text{Buy} = 10,000$$

Spent for transport = 500

Spent for repair = 2000

Formula used:

Profit = Selling price - Total spent.

Profit % = $(\text{Profit} \times 100) / \text{Total spent}$.

Solution:

Total Spent = 10,000 + 500 + 2000 = 12500

Profit = 15000 - 12500 = 2500

Profit % = $(2500 \times 100) / 12500$

⇒ 20 % Profit

He gain 20%.

71. Answer: c

Explanation:

Given:

The ratio of acid and water in vessel A is 7 : 5 and that in vessel B is 11 : 13.

4 liters of solution from vessel A are mixed with 5 liters of solution from vessel B.

Calculation:

Vessel A,

Quantity of acid = $\frac{7}{12} \times 4 = \frac{7}{3}$

Quantity of water = $\frac{5}{12} \times 4 = \frac{5}{3}$

Now, Vessel B

$$\text{Quantity of acid} = \frac{11}{24} \times 5 = \frac{55}{24}$$

$$\text{Quantity of water} = \frac{13}{24} \times 5 = \frac{65}{24}$$

The ratio of acid and water in the resulting solution

$$\left[\left(\frac{7}{3} + \frac{55}{24} \right) \right] : \left[\left(\frac{5}{3} + \frac{65}{24} \right) \right]$$

$$\Rightarrow \frac{111}{24} : \frac{105}{24}$$

$$\Rightarrow 111 : 105 = 37 : 35$$

\therefore The ratio of acid and water in the mixture is 37 : 35.

72. Answer: d

Explanation:

Given:

Principal = Rs. 8000

Rate = 15%

Time = 2 years 4 months

Calculation:

Time = 2 years + 4 months

Rate for 2 years = 15% (15% = 3/20)

Rate for 4 months = 5% (5% = 1/20)

Now by applying successive method,

$$\begin{array}{r}
 \begin{array}{r}
 20 \quad 23 \\
 \times \qquad \times \\
 20 \quad 23 \\
 \times \qquad \times \\
 20 \quad 21 \\
 \hline
 8000 \quad 11109 \\
 (P) \quad (A)
 \end{array} \\
 CI = 11109 - 8000 \\
 = \text{Rs. } 3109
 \end{array}$$

∴ The correct answer is **Rs. 3109**.

73. Answer: a

Explanation:

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:

$$3 \text{ of } 5 \div 2 + \frac{3x}{1 + \frac{12}{2 + \frac{2x}{1-x}}} = 12\frac{1}{2}$$

$$\Rightarrow \frac{15}{2} + \frac{3x}{1 + \frac{12}{2 + \frac{2x}{1-x}}} = \frac{25}{2}$$

$$\Rightarrow \frac{3x}{1 + \frac{12}{2 + \frac{2x}{1-x}}} = \frac{25}{2} - \frac{15}{2}$$

$$\Rightarrow \frac{3x}{1 + \frac{6}{1-x}} = 5$$

$$\Rightarrow \frac{3x}{1+6-6x} = 5$$

$$\Rightarrow \frac{3x}{7-6x} = 5$$

$$\Rightarrow 3x = 35 - 30x$$

$$\Rightarrow 33x = 35$$

$$\Rightarrow x = 35/33$$

∴ The value of x is 35/33.

74. Answer: a

Explanation:

Given:

The income of X is 20% less than the income of Y.

The income of Z is 35% less than the combined incomes of X and Y.

Calculation:

According to Question,

$$\text{Income of X/Income of Y} = 80/100$$

$$\text{Income of Z} = \text{Income of (X + Y)} \times 65/100$$

$$\Rightarrow Z = (80 + 100) \times 65/100$$

$$\Rightarrow Z = 117$$

So X = 80, Y = 100 and Z = 117

Income of Z = 117 is more than that of X = 80 by 37.

$$\Rightarrow (37/80) \times 100$$

$$\Rightarrow 46.25\%$$

∴ The Required answer is 46.25%.

75. Answer: c

Explanation:

Given:

If 4 Persons more then take 2 days less.

And 6 Persons less, take 4 days more.

Solution:

Let person be n and days be x

$$\text{Total work} = n \times x$$

According to Question,

$$\Rightarrow n \times x = (n + 4) (x - 2) \text{ -----(1)}$$

$$\Rightarrow n \times x = (n - 6) (x + 4) \text{ -----(2)}$$

Solving Equation (1) and (2) we get,

$$\Rightarrow 2n - 4x = -8$$

$$\Rightarrow 4x - 2n = 8 \text{ -----(3)}$$

$$\Rightarrow -4n + 6x = -24$$

$$\Rightarrow 2n - 3x = 12 \text{ -----(4)}$$

Adding Equation (3) and (4) We get,

$$\Rightarrow 4x - 3x = 12 + 8$$

$$\Rightarrow x = 20 \text{ days}$$

Putting the value of x in equation (3) we get,

$$\Rightarrow 80 - 2n = 8$$

$$\Rightarrow 2n = 72$$

$$\Rightarrow n = 72 / 2$$

$$\Rightarrow 36$$

Number of persons in Initially = 36

76. Answer: a

Explanation:

The correct answer is 'was a frightening sight'.

★ Key Points

- The given sentence is grammatically incorrect.
- Here, '**was a frightening sight**' should be used instead of '**are a frightening sight**'.
- In the given sentence '**the pack of wolves**' is a **collective noun**.
- We use the singular helping verb with a **collective noun**. Hence, only Option 1 has a **singular verb**.
 - Example: *The team is playing in the championship game.*
- Thus, the correct answer is **Option 1**.

Correct Sentence: *The pack of wolves moving towards the children **was** a frightening sight.*

77. Answer: d

Explanation:

The correct answer is ' **Aviary** '.

★ Key Points

- The most appropriate word for the given group of words is ' **Aviary** '.
- It means 'a large cage or area in which birds are kept'. (पक्षीशाला, दरबा)
 - *Example: The zoo has a new outdoor **aviary**.*

Correct Answer: *Aviary.*

★ Additional Information

- Let's look at the meaning of other words:
 - **Apiary** : a place where bees are kept. (मधुवाटिका)
 - **Aquarium** : a glass container filled with water, in which fish and water animals are kept. (पानी से भरी शीशे की टंकी जिसमें मछली आदि जलजीवों को रखा जाता है; मछलीघर, जलजीवशाला)
 - **Attic** : the space or room just under the roof of a house often used for storing things. (घर के भीतर प्रायः समान रखने के लिए प्रयुक्त छत के बिल्कुल नीचे स्थित छोटी-सी जगह; अटारी)

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78. **Answer: c**

Explanation:

The correct answer is ' **Would you** '.

★ Key Points

- The underlined part in the given sentence is grammatically incorrect.
- Here, ' **Would you** ' should be used instead of ' **Need you** '.
- We often use ' **would** ' to make requests. It is a more **polite** and **indirect** form of will.
 - *Example: **Would** you make dinner?*

- Thus, the correct answer is **Option 3**.

Correct Sentence: *Would you please hold my bag for a moment?*

79. Answer: c

Explanation:

The correct answer is ' **commended** '.

★ Key Points

- The most appropriate word for the given blank is ' **commended** '.
- It means 'to say officially that somebody/something is very good'. (अधिकृत रूप से प्रशंसा करना; सराहना करना)
 - *Example: Saurabh was **commended** for his excellent work.*
- Let's look at the meaning of other words:
 - **Criticised** : to say what is bad or wrong with somebody/something. (किसी की निंदा या आलोचना करना)
 - **Discouraged** : having lost confidence or enthusiasm; disheartened. (निरुत्साहित)
 - **Reprimanded** : to tell somebody officially that he/she has done something wrong. [(गलत काम करने पर) किसी की भर्त्सना करना, फटकार लगाना (औपचारिक रूप से)]
- Thus, the correct answer is **Option 3**.

Correct Sentence: *He was **commended** by the judge for his courageous actions.*

80. Answer: c

Explanation:

The correct answer is ' **Melodious** '.

★ Key Points

- Among the given options the incorrectly spelt word is ' **Melodous** '.
- Its correct spelling is ' **Melodious** '.
- It means 'pleasant to listen to, like music'. (श्रुतिमधुर, सुरीला)
 - *Example: a rich **melodious** voice...*

Correct Answer: *Melodous*.

★ Additional Information

- Let's look at the meaning of other words:
 - **Melodrama** : a story, play, or film in which a lot of exciting things happen and in which people's emotions are stronger than in real life. (भावुकतापूर्ण उत्तेजना-प्रधान कथा, नाटक या फ़िल्म; अतिनाटक या अतिकथा)
 - **Melody** : a song or tune; the main tune of a piece of music. (गीत या धुन; किसी संगीत रचना की मुख्य धुन)
 - **Malignant** : (used about a disease (cancer) that spreads in the body, or a growing mass (a tumour) caused by disease) likely to cause death if not controlled. [(कैंसर या किसी रोग के कारण बनी गाँठ) जिससे मृत्यु भी हो सकती है यदि वह नियंत्रित न हो सके; घातक]

81. **Answer: a**

Explanation:

The correct answer is ' **inspired** '.

★ Key Points

- The most appropriate word for the given blank is ' **inspired** '.
- It means 'influenced or helped by a particular feeling, thing or person'. (विशेष मनोभाव, वस्तु या व्यक्ति द्वारा प्रेरित)
 - *Example: The pianist gave an **inspired** performance.*
- Let's look at the meaning of other words:
 - **induced** : to make or persuade somebody to do something. (किसी से कुछ काम करवाना या उसके लिए मनाना; राज़ी करना)

- **pestered** : to annoy somebody, for example by asking him/her something many times. [व्यक्ति को परेशान कर देना (एक बात को अनेक बार पूछ कर या अन्य प्रकार से)]
- **incited** : to encourage somebody to do something by making him/her very angry or excited. (भड़काना, उकसाना)
- Thus, the correct answer is **Option 1**.

Correct Sentence: *The landscape **inspired** Hardy to write this fine poem.*

82. Answer: c

Explanation:

The erroneous part is '**and to feel secured**'.

★ Key Points

- The given sentence is grammatically incorrect.
- Here, '**and to feel secure**' should be used instead of '**and to feel secured**'.
- We know after the infinitive '**to**' the **base form of the verb** is used.
 - *Example: We planned **to take** a holiday.*
- Thus, the correct answer is **Option 3**.

Correct Sentence: *Everyone needs to have a home **and to feel secure** and be wanted.*

83. Answer: b

Explanation:

The correct answer is '**Desperate**'.

★ Key Points

- Among the given Option the incorrectly spelt word is '**Desperate**'.
- Its correct spelling is '**Desperate**'.

- It means 'out of control and ready to do anything to change the situation you are in because it is so terrible'. (अत्यधिक निराशा के कारण दुस्साहसी, निराशोन्मत)
 - *Example: She became **desperate** when her money ran out.*

Correct Answer: Desperate.

★ Additional Information

- Let's look at the meaning of other words:
 - **Separate** : apart; not together. (अलग, पृथक; न जुड़ा हुआ)
 - **Considerate** : careful not to upset people; always thinking of other people's wishes and feelings. (दूसरों की भावनाओं या आवश्यकताओं का ध्यान रखने वाला; संवेदनशील)
 - **Disparate** : consisting of people or things that are very different from each other in character or quality. (व्यक्ति या वस्तु जो आचरण और गुण में बेहद भिन्न हों)

84. Answer: a

Explanation:

The correct answer is ' **Stern** '.

★ Key Points

- The most appropriate synonym of the given word ' **Grim** ' is ' **Stern** '.
- **Grim** : (used about a person) very serious; not smiling. [(व्यक्ति) गंभीर; अप्रफुल्लित]
 - *Example: The news is **grim** , I'm afraid.*
- **Stern** : very serious; not smiling. (कठोर, बहुत गंभीर; मुस्कान-रहित)
 - *Example: a **stern** expression/warning...*

Correct Answer: Stern.

★ Additional Information

- Let's look at the meaning of other words:
 - **Forceful** : having the power to persuade people. (लोगों को प्रेरित करने की शक्ति से युक्त; शक्तिशाली, प्रभावशाली)

- **Joyful** : very happy. (बहुत प्रसन्न, खुश या आनंदित)
- **Arrogant** : thinking that you are better and more important than other people. (अक्खड़, घमंडी, अभिमानी)

85. Answer: c

Explanation:

The correct answer is 'Option 3'.

★ Key Points

- The given sentence is grammatically correct.
- In the given sentence after ' **must** ' the base form of the **verb** is used.
- And we know that after ' **to** ' **infinitive the base form** of the **verb** is used. The given sentence follows both the **rules** mentioned above.
- Thus, the correct answer is **Option 3**.

Correct Answer: *In summer, we must take care to drink enough water to keep ourselves hydrated.*

86. Answer: a

Explanation:

The correct answer is ' **Content** '.

★ Key Points

- The most appropriate antonym of the given word ' **Desperate** ' is ' **Content** '.
- **Desperate** : out of control and ready to do anything to change the situation you are in because it is so terrible. (अत्यधिक निराशा के कारण दुस्साहसी, निराशोन्मत)
 - *Example: She became **desperate** when her money ran out.*
- **Content** : happy or satisfied with what you have or do. (संतुष्ट)

- *Example: I don't need a new car—I'm perfectly **content** with the one I've got.*

Correct Answer: *Content.*

★ **Additional Information**

- Let's look at the meaning of other words:
 - **Determined** : having firmly decided to do something or to succeed, even if it is difficult. (कठिन होने के बावजूद किसी काम में सफलता प्राप्त करने का संकल्प, कृतसंकल्प, दृढ़निश्चयी)
 - **Frantic** : extremely worried or frightened. (अत्यधिक चिंतित या भयभीत)
 - **Daring** : involving or taking risks; brave. (साहसी; बहादुर, निर्भीक)

87. **Answer: b**

Explanation:

The erroneous part is '**has been resuming**'.

★ **Key Points**

- The given sentence is grammatically incorrect.
- Here, '**is resuming**' should be used instead of '**has been resuming**'.
- The following time expressions are commonly used with the present continuous tense: **today, at present, at the moment, still, now, etc .**
 - *Example: He **is coming** home tonight.*
- Thus, the correct answer is **Option 2**.

Correct Sentence: *After a month-long vacation due to the sudden floods, Mani's school **is resuming** today.*

88. **Answer: a**

Explanation:

The correct answer is ' **cheap** '.

★ Key Points

- The most appropriate word for the given blank is ' **cheap** '.
- It means 'low in price, costing little money'. (सस्ता, कम कीमत का)
 - *Example: Oranges are **cheap** at the moment.*
- Let's look at the meaning of other words:
 - **inferior** : low or lower in social position, importance, quality, etc. (सामाजिक स्थिति, महत्व, गुणवत्ता आदि की दृष्टि से निम्न या निम्नतर स्तर का; घटिया, निकृष्ट)
 - **available** : (used about things) that you can get, buy, use, etc. [उपलब्ध, (वस्तुएँ)]
 - **low** : close to the ground or to the bottom of something. (ज़मीन या किसी वस्तु के निम्नतम स्तर के निकट; नीचे)
- Thus, the correct answer is **Option 1**.

Correct Sentence: *Sometime back, onion used to be the poor man's food as it was cheap.*

89. Answer: b

Explanation:

The correct answer is ' **frequently goes** '.

★ Key Points

- The underlined part in the given sentence is grammatically incorrect.
- Here, ' **frequently goes** ' should be used instead of ' **frequent go** '.
- The **subject** of the given sentence is ' **She** ' which is **singular** . Hence, a **singular helping** verb ' **goes** ' should be used.
- To qualify the verb ' **goes** ' we have to change ' **frequent** ' into ' **frequently** '.
- Thus, the correct answer is **Option 2**.

Correct Sentence: *She **frequently goes** to her old school to visit her teachers.*

90. Answer: a

Explanation:

The correct answer is ' **Gourmet** '.

★ Key Points

- The most appropriate word for the given group of words is ' **Gourmet** '.
- It means 'a person who enjoys food and knows a lot about it'. (भोजनप्रेमी तथा भोजन-विशेषज्ञ व्यक्ति)
 - *Example: Flavored coffee is sold at **gourmet** food stores and coffee shops.*

Correct Answer: *Gourmet.*

★ Additional Information

- Let's look at the meaning of other words:
 - **Hungry** : wanting to eat. (भोजन करने का इच्छुक; भूखा)
 - **Greedy** : wanting more food, money, power, etc. than you really need. (अपनी वास्तविक आवश्यकता से अधिक भोजन, पैसों आदि की कामना करनेवाला व्यक्ति; लोभी, लालची)
 - **Gallant** : (of a person or their behavior) brave; heroic. [(किसी व्यक्ति या उनके व्यवहार का) बहादुर; वीर रस]

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91. Answer: c

Explanation:

The correct answer is ' **Break** '.

★ Key Points

- The most appropriate **synonym** of the given word ' **Rift** ' is ' **Break** '.
- **Rift** : a very large crack or opening in the ground, a rock, etc. (ज़मीन, चट्टान आदि में बड़ी दरार या छेद)

- Example: The fight will only widen the **rift** with his brother.
- **Break** : a place where something has been broken. (किसी वस्तु में दरार, छेद)
 - Example: a **break** in a pipe...

Correct Answer: Break.

★ Additional Information

- Let's look at the meaning of other words:
 - **Boat** : a small vehicle that is used for traveling across the water. (नाव, किश्ती)
 - **Heal** : to become healthy again; to make something healthy again. (पुनः स्वस्थ हो जाना; पुनः स्वस्थ कर देना)
 - **Bind** : to tie or fasten with string or rope. (रस्सी आदि से बाँधना)

92. Answer: a

Explanation:

The correct answer is ' **Acquit** '.

★ Key Points

- The most appropriate word for the given group of words is ' **Acquit** '.
- It means 'to state formally that a person is not guilty of a crime'. (किसी के निर्दोष होने की विधिवत घोषणा करना)
 - Example: The jury **acquitted** her of murder.

Correct Answer: Acquit.

★ Additional Information

- Let's look at the meaning of other words:
 - **Sentence** : a group of words containing a subject and a verb, that expresses a statement, a question, etc. When a sentence is written it begins with a big (capital) letter and ends with a full stop. [सामान्य कथन, प्रश्न आदि का व्यंजक ऐसा शब्दविन्यास जिसमें एक कर्ता हो और एक क्रिया। अंग्रेज़ी आदि में लिखते समय वाक्य का आरंभ बड़े अक्षर से होता है और अंत पूर्ण विराम (.) से; वाक्य]

- **Pardon** : used for asking somebody to repeat what he/she has just said because you did not hear or understand it. [बात को दुबारा कहने का अनुरोध करने के लिए प्रयुक्त (क्योंकि हम बात को पहले सुन या समझ नहीं सके)]
- **Arrest** : when the police arrest somebody, they take him/her prisoner in order to question him/her about a crime. (गिरफ्तार करना; बंदी बनाना)

93. Answer: c

Explanation:

The correct answer is ' **Experienced** '.

★ Key Points

- The most appropriate antonym of the given word ' **Naive** ' is ' **Experienced** '.
- **Naive** : without enough experience of life and too ready to believe or trust other people. (जिसे जीवन का पर्याप्त अनुभव नहीं और जो दूसरों पर तुरंत विश्वास या भरोसा कर लेता है; भोला-भाला)
 - *Example: I was too **naive** to realize what was happening.*
- **Experienced** : having the knowledge or skill that is necessary for something. (कुछ करने के लिए पर्याप्त ज्ञान अथवा कौशल प्राप्त व्यक्ति, अनुभवी, तजुरबेकार)
 - *Example: He's an **experienced** diver.*

Correct Answer: *Experienced.*

★ Additional Information

- Let's look at the meaning of other words:
 - **Simple** : easy to understand, do or use; not difficult or complicated. (समझने, करने या प्रयोग करने में आसान, सुबोध, सुकर; कठिन या जटिल नहीं, सरल)
 - **Impulsive** : likely to act suddenly and without thinking; done without careful thought. (बिना विचार के सहसा काम करने वाला, आवेगशील; बिना सोच-विचार के किया हुआ, आवेगपूर्ण)
 - **Sincere** : (used about a person) really meaning or believing what you say; not pretending. [(व्यक्ति) अपने मन की बात करने वाला, सच्चा; दिखावटी नहीं, निश्छल]

94. Answer: d

Explanation:

The correct answer is 'Speak angrily without any reason'.

★ Key Points

- The most appropriate answer for the idiom 'Bite someone's head off' is 'Speak angrily without any reason'.
- **Bite someone's head off:** to speak to someone angrily when there is no reason to. (किसी से गुस्से में बात करना जब कोई कारण न हो)
 - Example: *I just asked if I could help – you don't have to **bite my head off!***

Correct Answer: *Speak angrily without any reason.*

95. Answer: a

Explanation:

The correct answer is 'Taking place very rarely'.

★ Key Points

- The most appropriate meaning of the given idiom 'Once in a blue moon' is 'Taking place very rarely'.
- **Once in a blue moon:** very rarely; almost never. (बहुत कम; लगभग कभी नहीं)
 - Example: ***Once in a blue moon** I go to the cinema, only when there's a film I really, really want to see.*

Correct Answer: *Taking place very rarely.*

96. Answer: d

Explanation:

The correct answer is 'reached'.

★ Key Points

- The most appropriate title for the given passage is 'Amundsen's South Pole expedition'.
- In the first blank 'reached' should be used because the given passage is talking about a **past event**.
- The **simple past tense** shows that you are talking about something that has already happened.
 - Example: Lisa **went** to the supermarket yesterday.

Correct Passage: When Roald Amundsen first **reached** the South Pole in 1911, he could plant (2) _____ flag there whilst, back in (3) _____ Arctic, no explorer ever had the luxury (4) _____ his claim with a flag. If he did, it would (5) _____ end up floating away to Greenland, making it a totally useless exercise.

97. Answer: c

Explanation:

The correct answer is 'his'.

★ Key Points

- The most appropriate title for the given passage is 'Amundsen's South Pole expedition'.
- The word 'his' is used as a **possessive pronoun** to denote something that belongs to a **masculine noun**.
- In the given sentence 'Roald Amundsen' is a **masculine noun**. Hence, 'his' should be used.

Correct Passage: When Roald Amundsen first reached the South Pole in 1911, he could plant **his** flag there whilst, back in (3) _____ Arctic, no explorer ever had the

luxury (4) _____ his claim with a flag. If he did, it would (5) _____ end up floating away to Greenland, making it a totally useless exercise.

98. Answer: d

Explanation:

The correct answer is 'the'.

★ Key Points

- The most appropriate title for the given passage is 'Amundsen's South Pole expedition'.
- We use the definite article 'the' before **a specific geographical area**.
 - Example: **The Arctic** is the area of the world around the North Pole.
- Thus, the correct answer is **Option 4**.

Correct Passage: When Roald Amundsen first reached the South Pole in 1911, he could plant his flag there whilst, back in **the Arctic**, no explorer ever had the luxury (4) _____ his claim with a flag. If he did, it would (5) _____ end up floating away to Greenland, making it a totally useless exercise.

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99. Answer: a

Explanation:

The correct answer is 'to secure'.

★ Key Points

- The most appropriate title for the given passage is 'Amundsen's South Pole expedition'.
- Here, 'to secure' is the correct answer.
- We use 'to' before a verb to make the **to - infinitive** form.
 - Example: She loves **to wear** really colorful dresses.

- Thus, the correct answer is **Option 1**.

Correct Passage: *When Roald Amundsen first reached the South Pole in 1911, he could plant his flag there whilst, back in the Arctic, no explorer ever had the luxury to **secure** his claim with a flag. If he did, it would (5) _____ end up floating away to Greenland, making it a totally useless exercise.*

100. Answer: a

Explanation:

The correct answer is ' **eventually** '.

★ Key Points

- The most appropriate title for the given passage is 'Amundsen's South Pole expedition'.
- In the fifth blank, ' **eventually** ' should be used.
- It means 'in the end; finally'. (अंत में; अंततोगत्वा)
 - *Example: He **eventually** managed to persuade his parents to let him buy a motorbike.*
- Let's look at the meaning of other words:
 - **entirely** : completely (often used for emphasis). [पूर्णतया]
 - **totally** : completely. (पूर्णतया, पूरी तरह से)
 - **happily** : in a happy way. (प्रसन्नतापूर्वक)
- Thus, the correct answer is **Option 1**.

Correct Passage: *When Roald Amundsen first reached the South Pole in 1911, he could plant his flag there whilst, back in the Arctic, no explorer ever had the luxury to **secure** his claim with a flag. If he did, it would **eventually** end up floating away to Greenland, making it a totally useless exercise.*