

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 (14-Dec-2021) (Shift 3)

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. 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)

CAMEL : BBLFK :: WORDS : ?

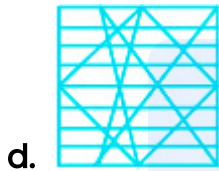
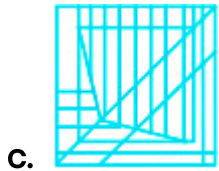
- a. XXSES
- b. XNSCT
- c. VVQRE
- d. VPQER

2. In a certain code language, RINGS is written as IRNSG, and PURSE is written as UPRES. How will STORM be written in that language? (+1, -0.25)

- a. TSOMR
- b. MROTS
- c. UTPNS
- d. ORMGH

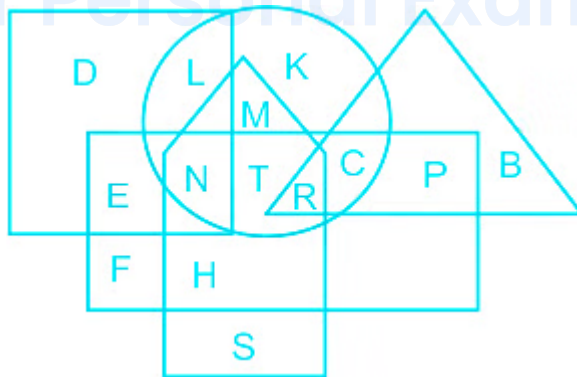
3. Select the option in which the given figure is embedded (rotation is NOT allowed). (+1, -0.25)





4. In the following figure, the circle represents 'paragraphs', the triangle represents 'black', the pentagon represents 'books', the square represents 'pages', and the rectangle represents 'blue'. (+1, -0.25)

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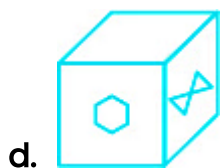
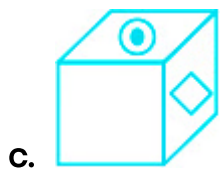
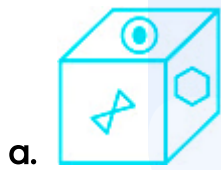
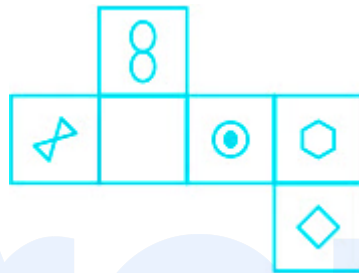
Select the letter that represents blue books that have pages and paragraphs

- a. M

- b. N
- c. C
- d. R

5. Select the box that can be formed by folding the given sheet along the lines. (+1, -0.25)

lines.



6. 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)

13 : 169 :: 21 : ?

- a. 441
- b. 361
- c. 256
- d. 400

7. In a row, Manu is at 14th position from the left and Sam is at the 9th position from the right. If they interchange their positions, then Sam becomes 12th from the right. Find the total number of persons present in the row. (+1, -0.25)

- a. 30
- b. 28
- c. 20
- d. 25

8. In a certain code language, 'FASHION' is written as 'NISFAHO'. How will 'BLANKET' be written in that language? (+1, -0.25)

- a. ANKBLET
- b. TKABLNE
- c. NKETBLA

d. TEKNALB

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

Spinach : Leaves :: Carrot : ?

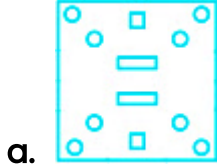
- a. Root
 - b. Seed
 - c. Stem
 - d. Flower
-

10. Three persons A, B and C start a business with a total amount of ₹2,60,000. The ratio of their investment in the total amount is 15 : 18 : 19, respectively. They earn a profit of 12% this year on the total investment. The profit is to be distributed in the same ratio of investment. How much profit will C earn? (+1, -0.25)

- a. ₹12,200
 - b. ₹13,200
 - c. ₹11,400
 - d. ₹10,800
-

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

	% #	?	% # @ & \$	# @ \$ %
\$ @ #	\$ @		S	& S Q



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



- a. 476YfQ
- b. 476YfQ

c. Q1Y874

d. Q1Y874

13. If '÷' means '+', '-' means '×', '+' means '-' and '×' means '÷', then which of the following equations is correct? (+1, -0.25)

a. $42 \times 28 - 30 \div 48 + 45 = 45$

b. $42 \times 28 - 30 \div 48 + 45 = 50$

c. $42 \times 28 - 30 \div 48 + 45 = 48$

d. $42 \times 28 - 30 \div 48 + 45 = 40$

14. 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. Possibility
2. Possession
3. Posthumous
4. Posterity
5. Possessive

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

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

5, 5, 15, 75, ?, 4725

- a. 325
- b. 385
- c. 150
- d. 525

16. 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. QSUWY
- b. CEHJK
- c. JLNPR
- d. BDFHJ

17. In a certain code language, 'CASTER' is coded as '32619759'. How will 'FRIDGE' be coded in that language? (+1, -0.25)

- a. 61824722
- b. 69922721
- c. 69923722
- d. 61894705

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

_ P G _ _ M P _ _ A _ _ G F A

- a. MFAGMFP
- b. MFAGFMP
- c. MAGFMPF
- d. MFAFGMP

19. J and K are siblings. M is the maternal uncle of J. S is the maternal grandmother of K. A is the only daughter of S. How is A related to M? (+1, -0.25)

- a. Brother
- b. Sister
- c. Sister-in-law
- d. Cousin

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

FW, JS, ?, RK, VG

- a. MO
- b. MP
- c. NO

d. NP

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

7, 14, 28, 56, ?

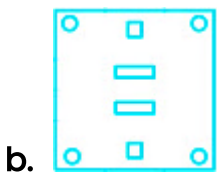
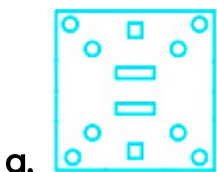
a. 150

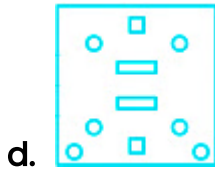
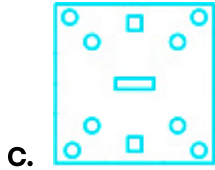
b. 72

c. 90

d. 112

22. 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)





23. Seven persons, K, L, M, N, O, P and Q, are sitting in a row facing towards the north. K and M are sitting together. O is at the east-end. P is between Q and M. Q is sitting in the middle. N is between O and L. K is sitting at the west-end. Who is sitting at the fifth position from the east? (+1, -0.25)

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



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24. Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s). (+1, -0.25)

Statements:

Some Queens are kings.

All kings are officers.

No officer is architect.

Conclusions:

- I. Some officers are queens.
 - II. No king is architect.
- a. Either conclusion I or II follows.
 - b. Both the conclusions follow.
 - c. Only conclusion II follows.
 - d. Only conclusion I follows.
-

25. Select the option in which the numbers are related in the same way as are the numbers of the following set. (+1, -0.25)

5, 10, 100

- a. 20, 40, 120
- b. 16, 32, 320
- c. 15, 30, 225
- d. 12, 36, 160

General Knowledge and General Awareness

26. In which of the following states of India is the 'Black Hole' monument located? (+1, -0.25)
- a. Odisha
 - b. Telangana
 - c. Gujarat
 - d. West Bengal
-

27. Which of the following folk dances belongs to the tribes of the Jharkhand state? (+1, -0.25)
- a. Huttari dance
 - b. Nati Dance
 - c. Mundari dance
 - d. Bhavai dance
-

28. Which of the following is NOT an example of a viral disease? (+1, -0.25)
- a. Roseola
 - b. Plague
 - c. Ebola
 - d. AIDS
-

29. Who started the Satnami movement in central India to improve the social status of leather workers? (+1, -0.25)
- a. Shri Narayana
 - b. Ghasidas
 - c. Balakdas
 - d. Haridas Thakur
-

30. As of November 2020, Asiatic Lions are protected in India under Schedule _____ of the Wildlife Protection Act (1972). (+1, -0.25)
- a. III
 - b. II
 - c. IV
 - d. I
-

31. The Fourth Schedule of the Constitution of India contains the subject matter related to: (+1, -0.25)
- a. languages recognized by the Constitution
 - b. forms of oath or affirmationshe
 - c. power, authority and responsibilities of panchayats
 - d. allocation of seats in the Rajya Sabha
-

32. Which of the following laws can be explained as 'An object remains in a state of rest or of uniform motion in a straight line unless compelled to change that state by an applied force.?' (+1, -0.25)
- a. Second law of motion
 - b. First law of motion
 - c. Third law of motion
 - d. First law of thermodynamics
-

33. Who took over charge as the chairman of Telecom Regulatory Authority of India (TRAI) on 1 October 2020? (+1, -0.25)
- a. PD Vaghela
 - b. Pradip Baijal
 - c. Rahul Khullar
 - d. RS Sharma
-

34. The Cabinet Committee on Economic Affairs approved the increase in the Minimum Support Prices (MSPs) for all mandated Kharif crops for the marketing season 2021-22 in June 2021. The highest absolute increase in MSP over the previous year has been recommended for _____ at ₹452 per quintal. (+1, -0.25)
- a. sesame
 - b. groundnut
 - c. cotton

d. maize

35. In October 2020, _____ became the first 'Har Ghar Jal' state in the country by providing 100% functional household tap water connections to every rural household in the state. **(+1, -0.25)**

a. Bihar

b. Goa

c. Punjab

d. Andhra Pradesh

36. Which of the following institutions organized an international webinar on Indian Knowledge Systems from 6 to 8 November 2020? **(+1, -0.25)**

a. IIT Delhi

b. IIT Bombay

c. IIT Kharagpur

d. IIT Kanpur

37. Which of the following nations will host the Indian Ocean Island Games 2023? **(+1, -0.25)**

a. Mauritius

b. Seychelles

c. Maldives

d. Madagascar

38. Team India ranked _____ in World Test Championship standings after the International Cricket Council (ICC) released a new point system in November 2020. (+1, -0.25)

a. second

b. third

c. fourth

d. first

39. Who had handwritten the original Constitution of India? (+1, -0.25)

a. Nandalal Bose

b. Dr Sachchidananda Sinha

c. Beohar Rammanohar Sinha

d. Prem Behari Narain Raizada

40. Mount Siniolchu is located in which state of India? (+1, -0.25)

a. Himachal Pradesh

b. Nagaland

c. Andhra Pradesh

d. Sikkim

41. Who among the following won the French Open tennis tournament in October 2020 and equalled Roger Federer's all-time record of winning 20 Grand Slams titles? (+1, -0.25)

- a. Andy Murray
 - b. Novak Djokovic
 - c. Dominic Thiem
 - d. Rafael Nadal
-

42. Which of the following rivers is a tributary of the Ghaghara River? (+1, -0.25)

- a. Son River
 - b. Gomti River
 - c. Kosi River
 - d. Sarayu River
-

43. Which Indian author was shortlisted for International Dublin Literary Award 2020? (+1, -0.25)

- a. Shashi Deshpande
 - b. Anuradha Roy
 - c. Chitra Banerjee Divakaruni
 - d. Anita Nair
-

44. Which satellite-based system that was launched by the Indian National Centre for Ocean Information Services (INCOIS) and Airport Authority of India (AAI) in October 2019 will alert deep-sea fishermen of upcoming disasters? (+1, -0.25)
- a. GPS
 - b. GEMINI
 - c. SBAS
 - d. GNSS
-

45. Which of the following dams is NOT built across the river Kaveri (Cauvery)? (+1, -0.25)
- a. Maithon
 - b. Mettur
 - c. Kallanai
 - d. Krishna Raja Sagara
-

46. Geneva is the headquarters of _____ (+1, -0.25)
- a. WTO
 - b. UNICEF
 - c. IMF
 - d. UNESCO
-

47. Where will the Reserve Bank of India be setting up its first Automated Banknote Processing Centre for Storage, receipt and dispatch of currency notes in 2020? (+1, -0.25)
- a. Mumbai
 - b. Ahmedabad
 - c. Bengaluru
 - d. Jaipur
-

48. Which of the following is NOT one of the 16 Mahajanapadas? (+1, -0.25)
- a. Kosala
 - b. Anga
 - c. Kuru
 - d. Kamarupa
-

49. Who became the first Indian to be honored with the 'Richard Dawkins Award 2020'? (+1, -0.25)
- a. Anurag Kashyap
 - b. Javed Akhtar
 - c. Shahrukh Khan
 - d. Aamir Khan
-

50. Ashvaghosha was a poet in the court of King _____

(+1, -0.25)

- a. Kanishka
- b. Chandragupta Maurya
- c. Harshavardhana
- d. Ashoka

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Elementary Mathematics

51. In an election between two candidates, 8% of the votes were invalid. The winning candidate got 60% of the total valid votes and won the election by 5888 votes. How many voters were registered? (+1, -0.25)
- a. 29500
- b. 33260
- c. 30000
- d. 32000
-
52. Yusuf purchased an item for ₹5,500 and sold it at a profit of 15%. From that amount, he purchased another item and sold it at 12% profit. What is his overall gain? (+1, -0.25)
- a. ₹825
- b. ₹1,485
- c. ₹859
- d. ₹1,584
-
53. The average weight of X and Y is 40 kg. The average weight of Y and R is 62 kg and the average weight of X and R is 56 kg. The weight of X is: (+1, -0.25)
- a. 34 kg
- b. 30 kg
- c. 44 kg

d. 32 kg

54. A batsman in his 18th innings makes a score of 80 and thereby increasing his average by 4. What is his average after the 18th innings? (+1, -0.25)

a. 12

b. 14

c. 10

d. 8

55. The expression $5 - \left[\frac{3}{4} + \left\{ 2\frac{1}{2} - \left(\frac{1}{2} + \frac{1}{6} - \frac{1}{7} \right) \right\} \right]$ equals: (+1, -0.25)

a. $\frac{13}{56}$

b. $\frac{97}{168}$

c. $\frac{191}{504}$

d. $\frac{19}{54}$

56. An amount is distributed among 4 friends X, Y, Z, W in the ratio 5 : 2 : 4 : 3, respectively. If Z gets ₹1,000 more than W, then what is Y's share? (+1, -0.25)

a. ₹1,000

b. ₹2,000

c. ₹4,000

d. ₹3,000

57. Two boys start from the same place walking at the speeds of 5.5 km/h and 3.5 km/h, respectively, in the same direction. What time will they take to be 8.8 km apart? **(+1, -0.25)**

- a. 4.4 h
- b. 4 h
- c. 4.2 h
- d. 4.8 h

58. A sum of money is to be distributed among A, B, C, D in the ratio of 5 : 2 : 4 : 3. If A gets ₹1,000 more than D, then what is B's share? **(+1, -0.25)**

- a. ₹1,200
- b. ₹1,000
- c. ₹500
- d. ₹1,600

59. If V and S denote the volume and Total Surface Area of a cuboid (of sides a, b, c), respectively, then which of the following is true? **(+1, -0.25)**

- a. $(1/V) = (2/S) (a + b + c)$
- b. $(1/V) = (S) (1/a + 1/b + 1/c)$
- c. $(1/V) = (2/S) (1/a + 1/b + 1/c)$
- d. $(V) = (2/S) (1/a + 1/b + 1/c)$

60. A can finish as much work in 6 days as C can in 8 days. B can finish as much work in 6 days as C can in 4 days. How much time will B require to finish a work if A takes 54 days to finish it? (+1, -0.25)
- a. 118 days
 - b. 128 days
 - c. 100 days
 - d. 108 days
-

61. What is the smallest number which when increased by 17 becomes exactly divisible by both 520 and 936? (+1, -0.25)
- a. 4663
 - b. 6643
 - c. 4643
 - d. 4366
-

62. A circle and a rectangle have the same perimeter. If the sides of the rectangle are 15 cm and 7 cm, then the area of circle is: (+1, -0.25)
- a. 145 cm^2
 - b. 144 cm^2
 - c. 154 cm^2
 - d. 156 cm^2
-

63. The difference between the compound interest and the simple interest on a certain sum at 10% per annum for 2 years is ₹1,200. Find the sum. (+1, -0.25)
- a. ₹1,20,000
 - b. ₹2,70,000
 - c. ₹2,00,000
 - d. ₹1,50,000
-

64. A man buys milk at ₹50 per litre and adds to it water equal to one-third of the milk. If he sells it at ₹60 per litre, then find his profit percentage. (+1, -0.25)
- a. 40%
 - b. 30%
 - c. 20%
 - d. 60%
-

65. A man walked at a speed of 9 km/h from point A to B and came back from point B to A at a speed of 15 km/h. The ratio of the time taken by the man in walking from B to A to that from A to B was: (+1, -0.25)
- a. 7 : 2
 - b. 5 : 3
 - c. 3 : 5
 - d. 2 : 7
-

66. The sum of three positive numbers is 339. If the ratio of the first number to the second number is 3 : 7, and that of the second number to the third number is 5 : 9, then the second number is: (+1, -0.25)
- a. 105
 - b. 115
 - c. 125
 - d. 95
-

67. What is the largest 4-digit number that is divisible by 10, 15 and 18? (+1, -0.25)
- a. 9900
 - b. 9090
 - c. 9990
 - d. 9999
-

68. An AC can cool a hall in 10 min, while an AC of another brand can cool the same hall in 15 min. If both the ACs are switched on at the same time, then in how much time will they cool the hall? (+1, -0.25)
- a. 3 min
 - b. 18 min
 - c. 6 min
 - d. 12 min
-

69. If the selling price of a toy is $\frac{4}{3}$ of its Cost Price, then the profit percentage is: (+1, -0.25)

- a. $\frac{1}{3}\%$
- b. $\frac{61}{3}\%$
- c. $\frac{100}{3}\%$
- d. $\frac{41}{3}\%$

70. Anil took some loan of simple interest at a certain rate and paid ₹12,800 as interest after 2 years. His friend Sumit also borrowed the same sum on compound interest for the same period and same rate of interest compounded annually and paid ₹704 more interest than that paid by Anil. What is the rate of interest per annum? (+1, -0.25)

- a. 10%
- b. 11%
- c. 10.5%
- d. 12%

71. Simran gets a discount of 20% on an oven whose price is ₹3,200. Since she pays cash, she gets an additional 5% discount too. How much does she pay? (+1, -0.25)

- a. ₹2,402
- b. ₹2,432
- c. ₹2,500

d. ₹2,439

72. A fruit seller had some oranges. He sold 30% oranges and still had 210 oranges. The number of oranges he had, initially, was: (+1, -0.25)

a. 300

b. 200

c. 150

d. 350

73. At what rate of simple interest will a sum of ₹4,500 amount to ₹5,310 after 4 years? (+1, -0.25)

a. 4.5%

b. 4.0%

c. 3.5%

d. 5.5%

74. A trader lists his articles 26% above the cost price and allows a discount of 15% on every article. What is his gain percentage? (+1, -0.25)

a. 20.5

b. 26

c. 7.1

d. 11

75. The letter B in the BODMAS rule stands for:

(+1, -0.25)

- a. Bracket
- b. By
- c. Binomial
- d. Before

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English

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

Suddenly, she jumped up and _____ his arm.

- a. captured
- b. grabbed
- c. snatched
- d. occupied

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

Deny

- a. Deflate
- b. Mourn
- c. Agree
- d. Exhaust

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

- a. Beverage
- b. Cuisine
- c. Mundane
- d. Celastiel

79. 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)

When news of the concert leaks out, there will be a rush for the ticket.

- a. a rush for a ticket
- b. a rush for tickets
- c. No substitution required
- d. the rush for the tickets

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

- a. Fluttering
- b. Menace
- c. Abbrevations
- d. Notoriety

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

Alter

- a. Transform
- b. Retain
- c. Preserve
- d. Beautify

82. Select the most appropriate meaning of the given idiom.

(+1, -0.25)

Get out of hand

- a. Lose control
- b. Slow down
- c. Calm down
- d. Work hard

83. Select the most appropriate option that can substitute the underlined word in the given sentence.

(+1, -0.25)

In this modern world, everyone is associated in making easy money.

- a. accounted
- b. disassociated
- c. bothered
- d. interested

84. Select the option that can be used as a one-word substitute for the given group of words.

(+1, -0.25)

Make a machine active or operative

- a. Initiate
- b. Enthuse
- c. Activate

d. Energise

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

When Nancy saw the mess / the burglar was made, / she broke down / in tears.

- a. she broke down
 - b. in tears
 - c. the bur glar was made
 - d. When Nancy saw the mess
-

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

To get wind of

- a. To gain something unfairly
 - b. To enjoy a nice weather
 - c. To be clear about something
 - d. To learn something secret
-

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

I was _____ by the sound of the doorbell.

- a. awakened
- b. enhanced

- c. enabled
 - d. activated
-

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

Mona is from Paris. / She has live / there all / her life.

- a. she has live
 - b. there all
 - c. Mona is from Paris
 - d. her life
-

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

First show of a film or theatre

- a. Debris
 - b. Easel
 - c. Charade
 - d. Premiere
-

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

Adversity

- a. Fortune

- b. Privilege
 - c. Emergency
 - d. Misfortune
-

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

It was cold / and / we still / went swimming.

- a. and
 - b. went swimming
 - c. It was cold
 - d. we still
-

92. 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)

People in North India doesn't know much about South Indian culture.

- a. doesn't knows
 - b. are not knowing
 - c. No substitution required
 - d. don't know
-

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

The little girl walked slowly _____ her burden.

- a. bearing
 - b. storing
 - c. holding
 - d. loading
-

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

Advance

- a. Assemble
 - b. Progress
 - c. Approach
 - d. Retreat
-

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

Matter which is against moral values

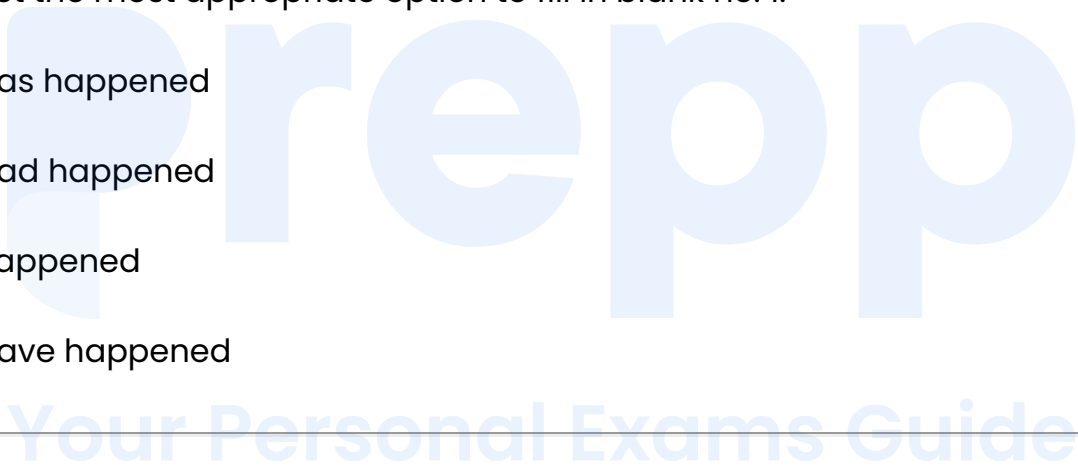
- a. Mortal
 - b. Immoral
 - c. Immortal
 - d. Amorous
-

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)

Naval architects never claim that a ship is unsinkable, but sinking of the passenger-and-car ferry Estonia in the Baltic surely should never (1)_____. It was well designed and carefully (2)_____ It carried the proper number of lifeboats. It had been (3)_____ inspected the day of its fatal voyage. Yet hours (4)_____, the Estonia rolled over and sank in a cold, stormy night. It went down (5)_____ quickly that most of those on board, caught in their dark, flooding cabins, had no chance to save themselves.

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

- a. has happened
- b. had happened
- c. happened
- d. have happened



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)

Naval architects never claim that a ship is unsinkable, but sinking of the passenger-and-car ferry Estonia in the Baltic surely should never (1)_____. It was well designed and carefully (2)_____ It carried the proper number of lifeboats. It had been (3)_____ inspected the day of its fatal voyage. Yet hours (4)_____, the Estonia rolled over and sank in a cold, stormy night. It went down (5)_____ quickly that most of those on board, caught in their dark, flooding cabins, had no chance to save themselves.

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

- a. maintain
- b. to be maintained
- c. maintaining
- d. maintained

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)

Naval architects never claim that a ship is unsinkable, but sinking of the passenger-and-car ferry Estonia in the Baltic surely should never (1) _____. It was well designed and carefully (2) _____. It carried the proper number of lifeboats. It had been (3) _____ inspected the day of its fatal voyage. Yet hours (4) _____, the Estonia rolled over and sank in a cold, stormy night. It went down (5) _____ quickly that most of those on board, caught in their dark, flooding cabins, had no chance to save themselves.

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

- a. steadily
- b. thoroughly
- c. gradually
- d. immediately

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

blank.

Naval architects never claim that a ship is unsinkable, but sinking of the passenger-and-car ferry Estonia in the Baltic surely should never (1)_____. It was well designed and carefully (2)_____ It carried the proper number of lifeboats. It had been (3)_____ inspected the day of its fatal voyage. Yet hours (4)_____, the Estonia rolled over and sank in a cold, stormy night. It went down (5)_____ quickly that most of those on board, caught in their dark, flooding cabins, had no chance to save themselves.

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

- a. before
- b. latter
- c. earlier
- d. later

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)

Naval architects never claim that a ship is unsinkable, but sinking of the passenger-and-car ferry Estonia in the Baltic surely should never (1)_____. It was well designed and carefully (2)_____ It carried the proper number of lifeboats. It had been (3)_____ inspected the day of its fatal voyage. Yet hours (4)_____, the Estonia rolled over and sank in a cold, stormy night. It went down (5)_____ quickly that most of those on board, caught in their dark, flooding cabins, had no chance to save themselves.

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

- a. so

b. such

c. as

d. very

prepp

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Answers

1. 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 :-

- CAMEL : BBLFK

C A M E L
 ↓-1 ↓+1 ↓-1 ↓+1 ↓-1
 B B L F K

Similarly,

- WORDS : ?

W O R D S
 ↓-1 ↓+1 ↓-1 ↓+1 ↓-1
 V P Q E R

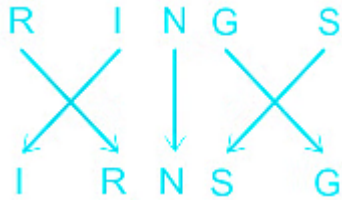
Hence, the correct answer is "VPQER".

2. Answer: a

Explanation:

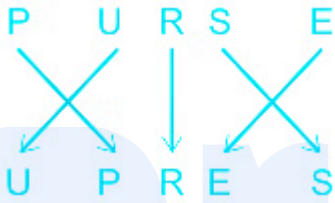
The logic followed here is :-

- RINGS is written as IRNSG.



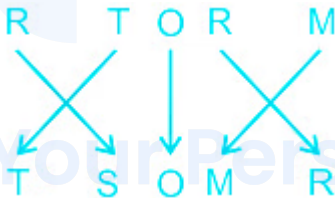
And

- PURSE is written as UPRES.



Similarly,

- STORM will be written as :





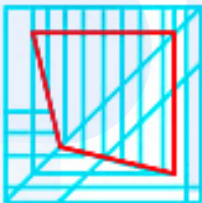





Hence, the correct answer is "TSOMR".

3. Answer: d

Explanation:

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

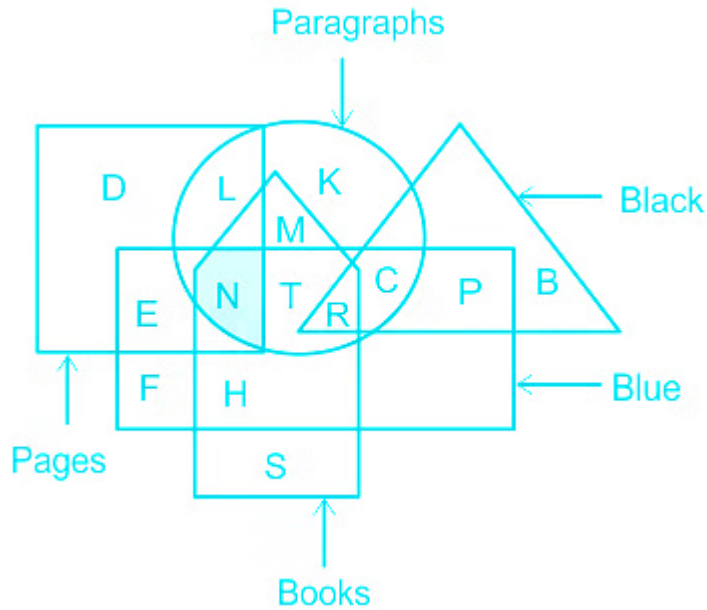
No.	Option	Question	Answer
1.			Not Embedded
2.			Not Embedded
3.			Not Embedded
4.			Embedded

Hence, the correct answer is "Option 4".

4. Answer: b

Explanation:

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



∴ Here, The blue books that have pages and paragraphs is "N".

Hence, the correct answer is "N".

5. Answer: c

Explanation:

The logic followed here is:

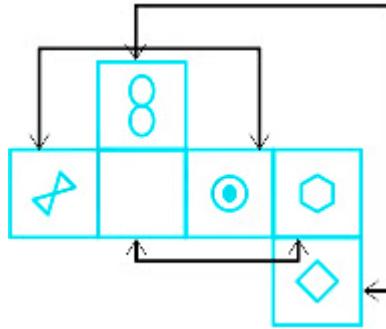
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The opposite surface of the open dice can be found by the below method:-

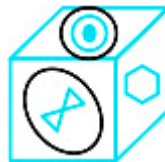
- Alternate surfaces are opposite to each other.
- No two opposite surfaces are touched by side or by corners

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

In the given figure, Opposite faces are :

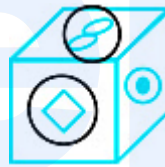


1)



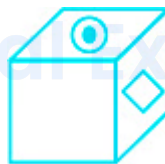
→ The two sides should be opposite to each other but given adjacent to each other.

2)



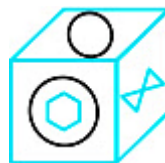
→ The two sides should be opposite to each other but given adjacent to each other.

3)



→ Here all three sides adjacent to each other .

4)



→ The two sides should be opposite to each other but given adjacent to each other.

Hence, the correct answer is "Option 3".

6. Answer: a

Explanation:

The logic followed here is :-

Logic: (First number) ² = Second number

- $13 : 169 \rightarrow 13^2 = 169$

Similarly,

- $21 : ? \rightarrow 21^2 = 441$

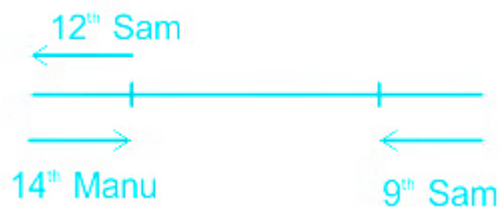
Hence, the correct answer is "441".

7. Answer: d

Explanation:

The logic followed here is :-

In a row, Manu is at 14th position from the left and Sam is at the 9th position from the right. If they interchange their positions, then Sam becomes 12th from the right.



Total number of person in a row = $14 + 12 - 1$

Total number of persons in a row = $26 - 1$

∴ Total number of persons in a row = 25

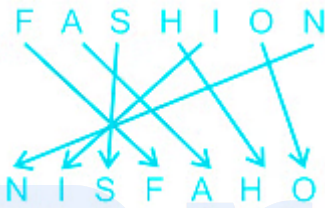
Hence, the correct answer is "25".

8. Answer: b

Explanation:

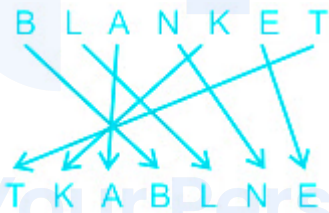
The logic followed here is :-

'FASHION' is written as 'NISFAHO'.



Similarly,

'BLANKET' will be written as :



Hence, the correct answer is "TKABLNE".

9. Answer: a

Explanation:

The logic followed here is :-

Spinach is a leafy vegetable obtained from soil.

Similarly,

Carrot is a root vegetable obtained from soil.

Hence, the correct answer is "Root".

10. Answer: c

Explanation:

Given :

A, B, and C start a business with a total amount of = 2,60,000/-

The ratio of their investment in the total amount = 15 : 18 : 19

They earn a profit of 12% this year on the total investment

Calculation:

Total parts of ratio of their investment = 15 + 18 + 19 = 52

Since they earn a profit of 12% this year on the total investment.

Profit amount = 260000 × 12/100 = 31200/-

Share of C in this profit = $\frac{19}{15+18+19} \times 31200$

∴ Share of C in this profit = 11,400/-

11. Answer: b

Explanation:

The figure that replace the given series is as shown below :

- The symbols moves one step anti-clockwise and a new symbol is added from figure to figure.

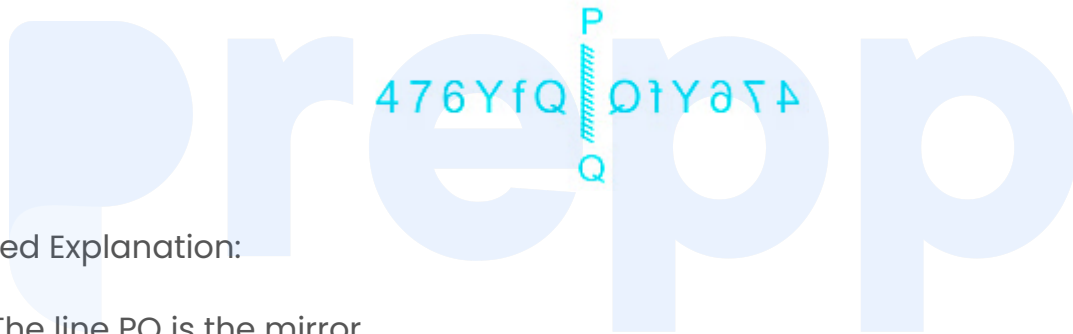


Hence, the correct answer is "Option 2".

12. Answer: c

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 "476YfQ" has last letter as "Q". So, the mirror should be "

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" ⇒ Option 2 is eliminated.

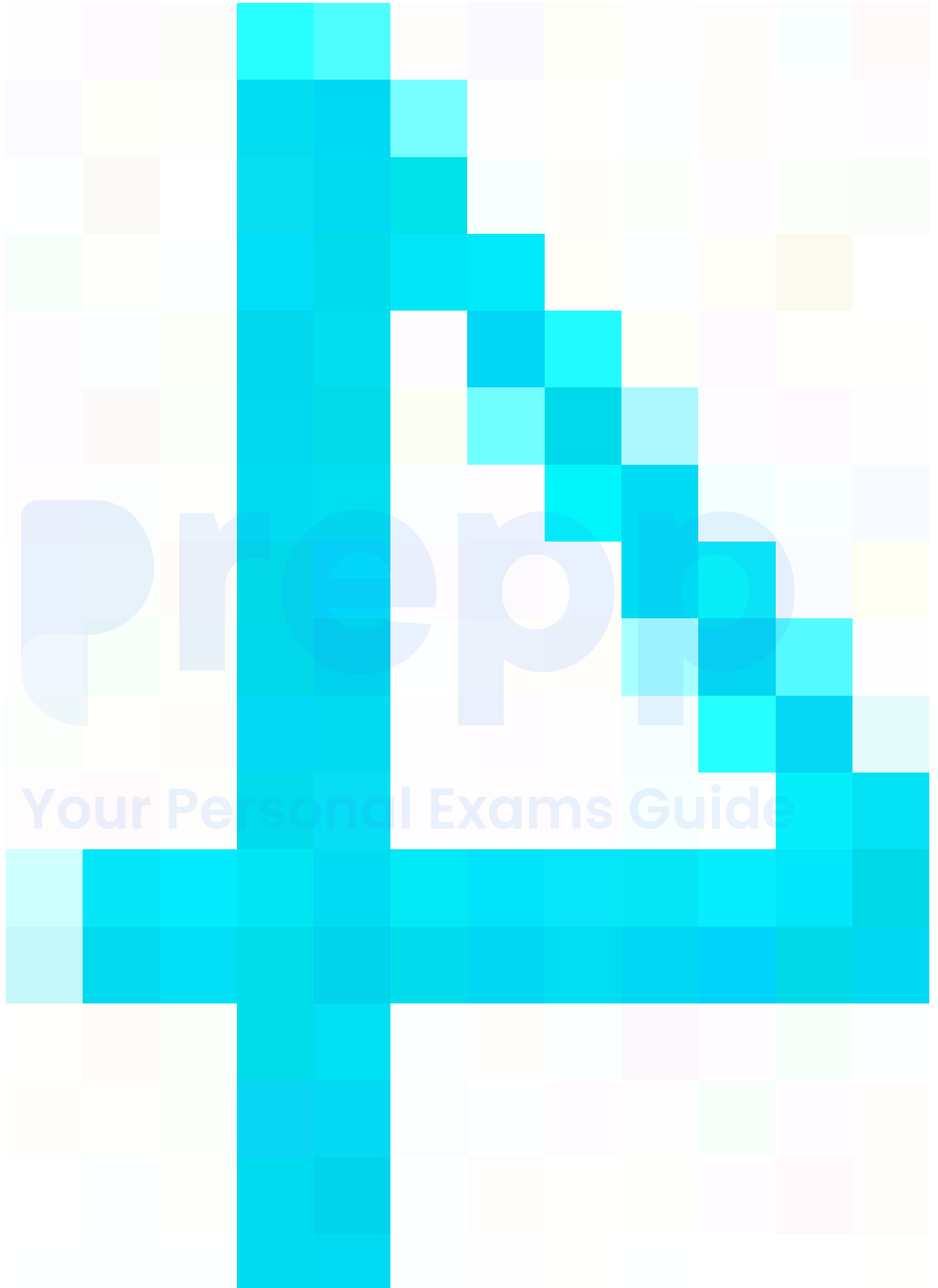
- The word "476YfQ" has last second letter as "f". So, the mirror image should be "





" ⇒ Option 4 is eliminated.

- The word "476YfQ" has first number as "4". So, the mirror image should be "



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" ⇒ Option 1 is eliminated.

Hence, the correct answer is "Option 3".

13. Answer: c

Explanation:

The logic followed here is :-

By using BODMAS RULE :

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

Symbols	Stands for
÷	+
-	×
+	-
×	÷

Option 1) : $42 \times 28 - 30 \div 48 + 45 = 45$

After interchanging the given symbols the equation is as follows : $42 \div 28 \times 30 + 48 - 45 = 45$

$\Rightarrow \underline{42 \div 28} \times 30 + 48 - 45 = 45$

$\Rightarrow \underline{1.5 \times 30} + 48 - 45 = 45$

$\Rightarrow \underline{45 + 48} - 45 = 45$

$\Rightarrow \underline{93 - 45} = 45$

$\Rightarrow 48 \neq 45$

LHS \neq RHS

Option 2) : $42 \times 28 - 30 \div 48 + 45 = 50$

After interchanging the given symbols the equation is as follows : $42 \div 28 \times 30 + 48 - 45 = 50$

$\Rightarrow \underline{42 \div 28} \times 30 + 48 - 45 = 50$

$\Rightarrow \underline{1.5 \times 30} + 48 - 45 = 50$

$\Rightarrow \underline{45 + 48} - 45 = 50$

$\Rightarrow \underline{93 - 45} = 50$

$\Rightarrow 48 \neq 50$

LHS \neq RHS

Option 3) : $42 \times 28 - 30 \div 48 + 45 = 48$

After interchanging the given symbols the equation is as follows : $42 \div 28 \times 30 + 48 - 45 = 48$

$\Rightarrow 42 \div 28 \times 30 + 48 - 45 = 48$

$\Rightarrow 1.5 \times 30 + 48 - 45 = 48$

$\Rightarrow 45 + 48 - 45 = 48$

$\Rightarrow 93 - 45 = 48$

$\Rightarrow 48 = 48$

LHS = RHS

Option 4) : $42 \times 28 - 30 \div 48 + 45 = 40$

After interchanging the given symbols the equation is as follows : $42 \div 28 \times 30 + 48 - 45 = 40$

$\Rightarrow 42 \div 28 \times 30 + 48 - 45 = 40$

$\Rightarrow 1.5 \times 30 + 48 - 45 = 40$

$\Rightarrow 45 + 48 - 45 = 40$

$\Rightarrow 93 - 45 = 40$

$\Rightarrow 48 \neq 40$

LHS \neq RHS

Hence, the correct answer is " $42 \times 28 - 30 \div 48 + 45 = 48$ ".

14. Answer: b

Explanation:

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

2. Possession

5. Possessive

1. Possibility

4. Posterity

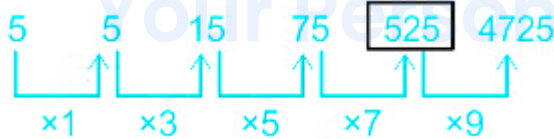
3. Posthumous

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

15. Answer: d

Explanation:

The logic followed here is :-



Hence, the correct answer is "525".

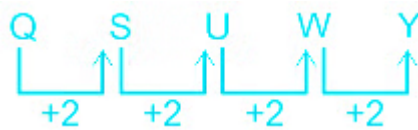
16. Answer: b

Explanation:

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

The logic followed here is :-

1) QSUWY



2) CEHJK



3) JLNPR



4) BDFHJ



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

Hence, the correct answer is "CEHJK".

17. Answer: c

Explanation:

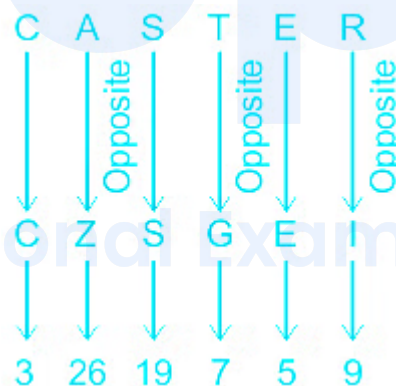
Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The logic followed here is :-

Alphabet positional value of first letter and alternate letter of given word remains same.

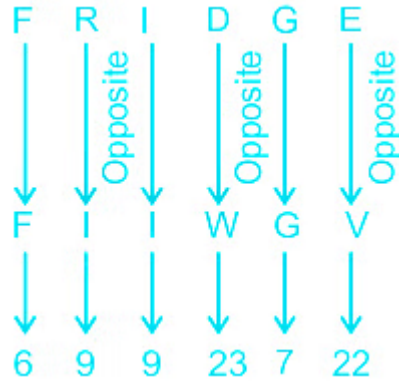
Alphabet positional value of second letter and alternate letter of given word is opposite alphabet positional value.

'CASTER' is coded as '32619759'.



Similarly,

'FRIDGE' will be coded as :



Hence, the correct answer is "69923722".

18. Answer: b

Explanation:

Given :- _ P G _ _ M P _ _ A _ _ G F A

By checking options and substituting accordingly.

1) MFAGMFP → M P G F A - M P G M A - F P G F A

2) MFAGFMP → M P G F A - M P G F A - M P G F A

- Here "MPGFA" is repeated.

3) MAGFMPF → M P G A G - M P F M A - P F G F A

4) MFAFGMP → M P G F A - M P F G A - M P G F A






- Option (2) gives the pattern of :- "M P G F A - M P G F A - M P G F A".

Hence, the correct answer is "MFAGFMP".

19. Answer: b

Explanation:

Family chart :

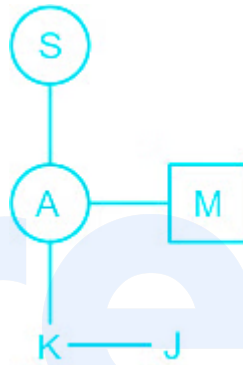
Symbol in Diagram	Meaning
	Female
	Male
	Married Couple
	Siblings
	Difference of A Generation

Family Tree :

1) A is the only daughter of S and S is the maternal grandmother of K.



2) J and K are siblings and M is the maternal uncle of J.



∴ Here, A is sister of M.

Hence, the correct answer is "Sister".

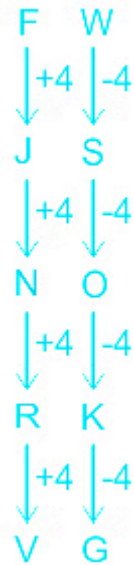
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20. Answer: c

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 :-



Hence, the correct answer is "NO".

21. Answer: d

Explanation:

The logic followed here is :-

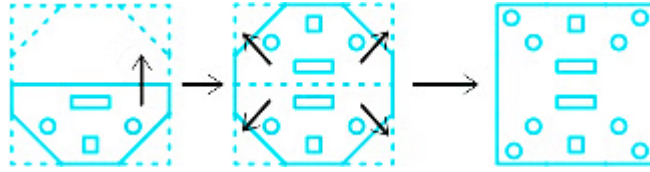


Hence, the correct answer is "112".

22. Answer: a

Explanation:

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



Hence, the correct answer is "Option 1".

23. Answer: d

Explanation:

Seven persons, K, L, M, N, O, P and Q, are sitting in a row facing towards the north.

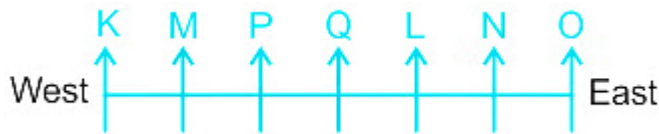
1) O is at the east-end and N is between O and L.



2) K is sitting at the west-end and K and M are sitting together.



3) P is between Q and M and Q is sitting in the middle.



∴ Here, 'P' is sitting fifth position from east.

Hence, the correct answer is "P".

24. Answer: b

Explanation:

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



Conclusions:

I. Some officers are queens → Follow (As All kings are officers and Some Queens are kings so, Some officers are queens is true)

II. No king is architect → Follow (As All kings are officers and No officer is architect so, No king is architect is true)

∴ Here, Both the conclusions are true.

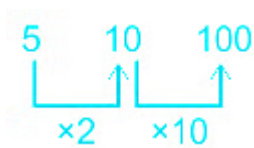
Hence, the correct answer is **"Both the conclusions follow"**.

25. Answer: b

Explanation:

The logic followed here is :-

Given : 5, 10, 100



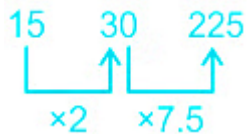
Option 1) : 20, 40, 120



Option 2) : 16, 32, 320



Option 3) : 15, 30, 225



Option 4) : 12, 36, 160



Hence, the correct answer is "16, 32, 320".

26. Answer: d

Explanation:

The correct answer is West Bengal.

★ Important Points

- 'Black Hole' monument located in West Bengal.
- Black Hole of Calcutta was an incident that occurred on **June 20, 1756**.
- A number of Europeans were imprisoned in Calcutta (now Kolkata) and many died.
- The Europeans were the remaining defenders of Calcutta following the capture of the city by the nawab (ruler) Sirāj al-Dawlah, of Bengal, and the surrender of the East India Company's garrison.
- Black Hole incident of Calcutta (Kolkata) describes how British prisoners were held captive by the army of the Nawab of Bengal, for one night, in the 'black hole' of Fort William in Calcutta .

- The total of prisoners shut in the black hole was **probably 64, of whom 21 came out alive.**

27. **Answer: c**

Explanation:

The correct answer is Mundari dance.

★ Key Points

- Mundari dance belongs to the tribes of the Jharkhand state.
- Munda tribe have its own dance which performed during harvest season and festival accompanied by musical Instrument Madal, Nagara, and Bansi .
- Munda refers to their dance and song as Durang and Susun respectively Mundari folk dance are Jadur and Jena.

★ Additional Information

- **Huttari dance** is also known as the Kodagu dance.
 - It is one of the most spirited dances of Karnataka.
- **Nati** is native to the states of Himachal Pradesh and Uttrakhand.
- **Bhavai** is a genre of folk dance popular in Gujarat state in western India.

28. **Answer: b**

Explanation:

The correct answer is Plague.

★ Key Points

- **The Plague** is an Infectious disease that is basically caused by Yersinia or Bacillus pestis . which is basically found in animals, particularly rodents.
- It basically affects the lungs, lymph nodes, and blood vessels.

- It is also known as the "Black Death".
- The transmission of this infectious bacterial disease is through a bite of an infected rat.
 - Hence it is not a viral disease.

★ Additional Information

- Some Common Human Diseases are caused by Microorganisms.

Human Disease	Causative microorganism
Tuberculosis	Bacteria
AIDS	Virus
Roseola	Virus
Ebola	Virus
Cholera	Bacteria
Typhoid	Bacteria
Ringworm	Fungus
Dysentry	Bacteria

29. Answer: b

Explanation:

The correct answer is Ghasidas.

★ Important Points

- Ghasidas started the Satnami movement in central India to improve the social status of leather workers.
- The most-important Satnami group was founded in 1820 in the Chattisgarh region of middle India by Ghasidas, a farm servant and member of the Chamar caste.
- His Satnam Panth ("Path of the True Name") succeeded in providing a religious and social identity for large numbers of Chattisgarhi Chamars.
- Ghasidas is remembered for having thrown images of Hindu gods onto a rubbish heap.
- He preached a code of ethical and dietary self-restraint and social equality.

★ Additional Information

- **Guru Balakdas** was the son of the founder of the Chhattisgarh Satnampanth, Guru Ghasidas.
- **Haridasa Thakur** was a prominent Vaishnava saint known for being instrumental in the initial propagation of the Hare Krishna movement.

30. Answer: d

Explanation:

The correct answer is **d**.

★ Key Points

- As of November 2020, the Asiatic Lions are listed in **Schedule I** of Wildlife (Protection) Act 1972; in **Appendix I** of CITES.
- The Asiatic lion faces the threat of genetic inbreeding arising from a single population in one place.
- It is Listed as 'Endangered' under the IUCN Red List.

★ Additional Information

- The Wild Life (Protection) Act, 1972

- Parliament of India enacted the ACT by the parliament of India on 9 sept 1972 for the protection of plants and animal species.
- The Government of India implemented the Wildlife Protection Act of 1972 with the purpose of efficiently protecting the wildlife of this country and further controlling hunting, smuggling, and illegal trade in wild animals and their derivatives.
- The National Tiger Conservation Authority (NTCA) has been constituted under section 38 L (1) of the Wildlife (Protection) Act, 1972.

31. Answer: d

Explanation:

The correct answer is allocation of seats in the Rajya Sabha.

★ Key Points

- Fourth Schedule of the Indian constitution deals with the Allocation of seats in the Rajya Sabha to the states and the union territories.
- It corresponds with article 4 and article 80 of the constitution.
- In India , the seats of states/Union territory are dependent on the Larger Size of the population gets more Representatives seats than the states with Smaller Populations.

★ Additional Information

Deal With	Schedules
State and Union Territories	First
Emoluments, allowances and salary of Presidents, Governors, Speaker etc.	Second
Forms of Oath or Affirmations.	Third
Allocation of Seats to various States & UT's in the Rajya Sabha.	Fourth
Administration and Control of Schedule areas and Schedule Tribes	Fifth
Administration and control of Tribal Areas of Northeastern states.	Sixth
Division of power between the union and the states.	Seventh
Languages, originally there were 14 Languages presently the constitutions has 22 languages.	Eight
Acts and regulation	Ninth
Disqualification of the members of parliament and state legislature on the ground of defection.	Tenth
Powers, authority and responsibilities of Panchayat.	Eleventh
Powers, authority and responsibilities of municipalities.	Twelfth

32. Answer: b

Explanation:

The correct answer is First law of motion.

★ Key Points

- First law of motion can explained as 'An object remains in a state of rest or of uniform motion in a straight line unless compelled to change that state by an applied force.'

- The first law of Newton implies that things cannot stop, start or change direction all by themselves.
- The things require some outside force.
- This property to resist changes of massive bodies in their state of motion is called inertia.

★ Additional Information

- The Second Law of Newton states that the force acting on the body is equal to the product of its acceleration and mass.
- The Third Law of Newton states that for every action there is an opposite and equal reaction.
- The first law of thermodynamics only gives information about the energy balance when a system undergoes a change of state.
 - But it does not help to predict whether the change of state is feasible or not.

33. Answer: a

Explanation:

The correct answer is PD Vaghela.

★ Key Points

- PD Vaghela, currently secretary in the Department of Pharmaceuticals, has been appointed the next chairman of the Telecom Regulatory Authority of India,
- He replaced RS Sharma, who retired on September 30, 2020.

★ Additional Information

- TRAI's mission is to ensure that the interests of consumers are protected and at the same time nurture conditions for the growth of telecommunications, broadcasting and cable services in a manner and at a pace that will enable India to play a leading role in an emerging global information society.

- As per TRAI's new rules, all SMS messages have to be verified before they reach the users and all messages have to be registered in the TRAI DLT platform. These include communication messages like OTP, verification codes, notifications sent by businesses to their customers, etc.
- TRAI is the Telecom Regulatory Authority of India.
- Its main purpose is to regulate telecommunication services, adjudicate disputes, dispose of appeals and protect the interest of the service providers as well as consumers.

34. Answer: a

Explanation:

The correct answer is sesame.

★ Key Points

- The Cabinet Committee on Economic Affairs approved the increase in the Minimum Support Prices (MSPs) for all mandated Kharif crops for the marketing season 2021-22 in June 2021.
- The highest absolute increase in MSP over the previous year has been recommended for **sesame at ₹452 per quintal**.
- The government has increased the MSP of Kharif crops for marketing season 2021-22, to ensure remunerative prices to the growers for their produce.
- The highest absolute increase in MSP over the previous year has been recommended for **sesamum (Rs. 452 per quintal) followed by tur and urad (Rs. 300 per quintal each)**.
- In the case of groundnut and nigerseed, there has been an **increase of Rs 275 per quintal and Rs 235 per quintal respectively in comparison to last year**.

★ Additional Information

- MSP is a "minimum price" for any crop that the government considers as remunerative for farmers and hence deserving of "support".
- It is also the price that government agencies pay whenever they procure a particular crop.

- The Commission for Agricultural Costs & Prices (CACP) recommends MSPs for 22 mandated crops and fair and remunerative price (FRP) for sugarcane.
 - The Commission for Agricultural Costs & Prices (CACP) is an attached office of the Ministry of Agriculture and Farmers Welfare, Government of India
-

35. Answer: b

Explanation:

The correct answer is Goa.

★ Key Points

- In October 2020, Goa became the country's first state to give 100% tap water, followed by Telangana and the Andaman and Nicobar Islands.
- Jal Jeevan Mission provides assured tap water supply to every family living in 56 districts and over 86 thousand villages.

★ Additional Information

- Jal Jeevan Mission was launched by the Prime Minister in 2019.
 - It was announced by Prime Minister Shri Narendra Modi on 15th August 2019.
 - The Jal Jeevan Mission aims to supply clean and sufficient drinking water to all rural Indian homes through individual household tap connections by 2024.
 - The Jal Jeevan Mission is being carried out in collaboration with the states with the goal of providing drinkable water in sufficient quantity and of prescribed quality on a regular and long-term basis.
-

36. Answer: c

Explanation:

The correct answer is IIT Kharagpur.

★ Key Points

- Union Minister of Education Ramesh Pokhriyal Nishank has announced the Centre of Excellence for Indian Knowledge System to be set up at IIT Kharagpur.
- He announced this while inaugurating the international webinar titled “ Bharata Tirtha ” being organized by the Institute from 6–8 Nov'20.
- The webinar witnessed talks by international stalwarts pioneering in Indic studies including **Arthashastra**.

★ Additional Information

- The three-day webinar will witness deliberations by international stalwarts pioneering in Indic studies including Arthashastra (Economics),
 - Sanskrit for Natural Language Processing,
 - Vedic and Ancient Indian Mathematics - Numeral System,
 - Bijaganita and Jyamiti, Rasayana (Chemical Sciences),
 - Ayurveda (Biological Sciences),
 - Jyotir-tatha Mahajagatika Vidya (Positional and Astronomical Sciences),
 - Prakriti Vidya (Terrestrial/ Material Sciences/ Ecology and Atmospheric Sciences) and
 - Nandana Tathya tatha Vastu Vidya (Archaeology, Iconography and Architecture).

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37. Answer: d

Explanation:

The Correct Answer is Madagascar.

★ Key Points

- As the host of the 2023 Indian Ocean Island Games, Madagascar has replaced the Maldives due to fears about the COVID-19 pandemic.
- Last year, the event was awarded to the Maldives, but the Indian Ocean Island Games Federation delegates decided to move the Games to Madagascar.

- The decision came as a result of the difficulties faced by the Maldives during the coronavirus crisis in organizing the case.
- The Maldives had asked to postpone the 2023 Games back to 2025, but the IOIGF was keen to eliminate a six-year delay between the multi-sport event editions.

★ Important Points

- The Indian Ocean Island Games is a multi-sport tournament contested by athletes from the island nations of the Indian Ocean every four years.
- The Games were founded in 1977 by the International Olympic Committee (IOC) and currently bring together Mauritius, Seychelles, Comoros, Madagascar, Mayotte, Reunion, and the Maldives as island nations and territories.

38. Answer: a

Explanation:

The correct answer is second.

★ Key Points

- Team India ranked second in the World Test Championship standings after the International Cricket Council (ICC) released a new point system in November 2020.
- The International Cricket Council (ICC) announced a new points system to determine the final standings of the first edition of the World Test Championship.
- Before the new rules were imposed, Team India **was at the top of the points table** but now has fallen to the No.2 spot behind Australia.

★ Additional Information

- As per the latest ranking, India has slipped to the fifth position from fourth in the World Test Championship standings .

- India has played nine Tests in the second cycle of WTC, winning four, losing three, and drawing two.
- They have 53 points, the highest among all teams so far in WTC.
- Sri Lanka leads the standings with 100 PCT (percentage of points) followed by Australia (83.33) and Pakistan (75).

39. Answer: d

Explanation:

The correct answer is Prem Behari Narain Raizada.

★ Key Points

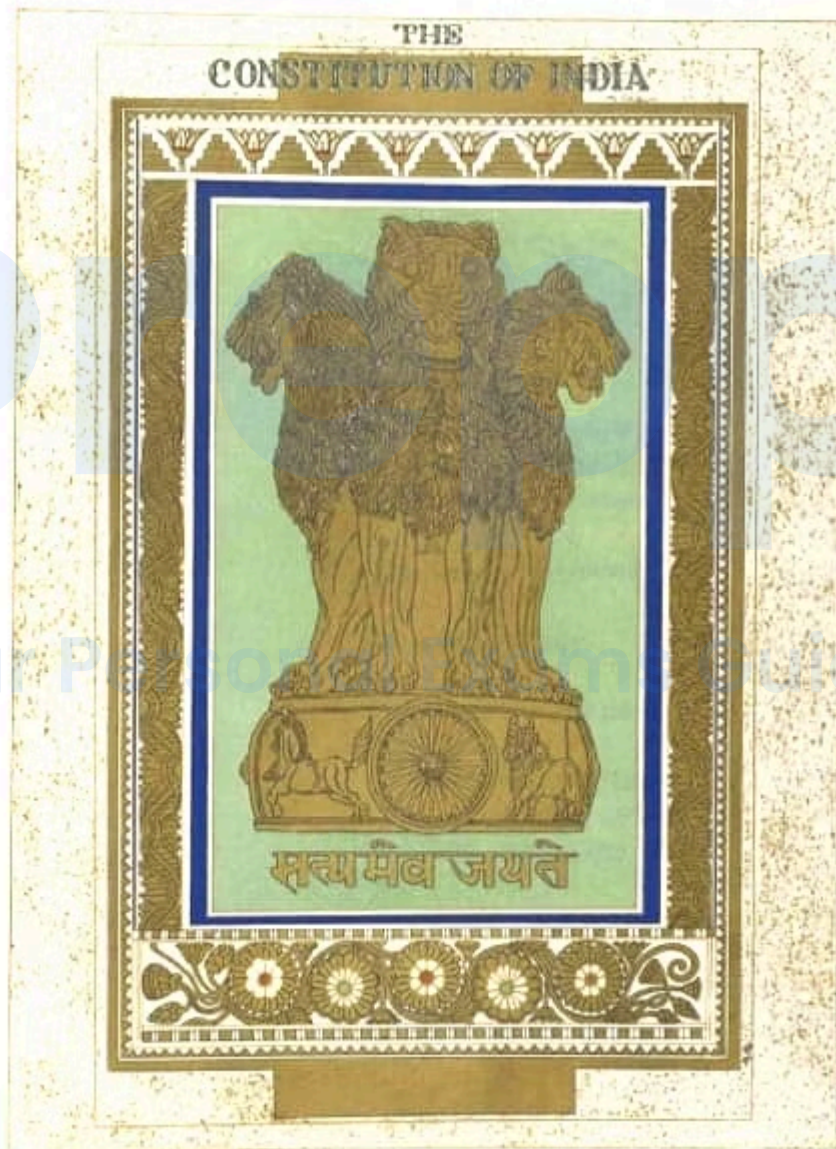
- **Prem Behari Narain Raizada (Saxena)** is the man who hand wrote the original Constitution of India.
- Raizada over his desk in the Constitution Hall (now Constitution Club) for six months to handwrite 395 articles, 8 schedules, and a preamble in both English and Hindi.
- He used No.303 pens for English calligraphy and Hindoo dip-pen nib from Birmingham for Hindi calligraphy.

★ Additional Information

- It all began on August 29, 1947, when the Constituent Assembly set up a Drafting Committee to formulate a Draft Constitution of India.
- After 11 sessions and endless debates and amendments, the Constitution for the newly-independent nation was ready.
- Prime Minister Jawaharlal Nehru wanted it handwritten in a flowing italic style.
- Prem Behari Narain Raizada (Saxena), a noted calligraphist, was chosen for the task.
- The bespectacled Raizada held a degree from St Stephen's College (New Delhi) and worked for Govan Brothers (Raymond Eustace Grant Govan, the founder of Govan Brothers, was the first President of the Board of Control for Cricket in India).

★ Important Points

- Its weight: is 3.75 kilograms.
- Its title: Constitution of India.
- The original copies of the Constitution are kept in special helium-filled cases in the Parliament's library.
- The original manuscript of the Constitution of India that came into force on January 26, 1950.



40. Answer: d

Explanation:

The correct answer is Sikkim.

- Mt. Siniolchu is one of the tallest mountains in Sikkim .
- Its elevation is 6888 metres.

★ Additional Information

Major Peaks of the North East

Peaks	State
Kangchenjunga (shared with Nepal)	Sikkim
Kangto	Arunachal Pradesh
Mount Saramati (shared with Myanmar)	Nagaland
Mount Tempu	Manipur and Nagaland
Phawngpui	Mizoram
Betlingchhip	Tripura

41. Answer: d

Explanation:

The correct answer is Rafael Nadal.

★ Important Points

- **Rafael Nadal won the French Open tennis tournament in October 2020 and equalled Roger Federer's all-time record of winning 20 Grand Slams titles.**
- The 124th Edition of French Open 2020 took place at the Roland Garros Stadium, Paris, France from 27th September to 11th October 2020. The French Open is a Clay Court Tennis Tournament.
- Rafael Nadal defeated Novak Djokovic to clinch his 13th French Open Men's Title.
- With this win, Rafael Nadal completed 100 singles wins at the French Open.
- He became the first player to win a tour-level event 13 times. At 34 years, he became the Oldest French Open Champion since Andres Gimeno in 1972

★ Additional Information

- Iga Swiatek defeated Sofia Kenin to win the 2020 French Open Women's Title. She is the first Polish Tennis player to win a Grand Slam.
 - At 19 years, she became the youngest Women's French Open Champion since 1992.
- Kevin Krawietz & Andreas Mies defeated Mate Pavic, Bruno Soares to win French Open Men's Doubles Title.
- Timea Babos, and Kristina Mladenovic defeated Alexa Guarachi, and Desirae Krawczyk to win French Open Women's Doubles Title.
- About French Open :
 - The Clay Court tournament was established in 1891.
 - It has a prize Money of euro 38,000,000 for the year 2020.

42. Answer: d

Explanation:

The correct answer is Sarayu River.

★ Important Points

- The Saryu is the largest tributary of the **Sarayu River** .
- It originates from a place called Sarmool near Nanda Kot Parvat located in the northern part of the Bageshwar district in Uttarakhand.
- It falls into the Kali River near Nepal.
- Total length: 350 km.
- There are 4 cities located on the banks of River Saryu.
 - Ayodhya, Gola, Badhalganj, and Barhaj.
- Hence it is the tributary of Ghaghara river.

★ Additional Information

- Ghaghara originates from Nampa of Nepal and enters Bihar at Gopalgunj.
 - Ghaghara joins River Ganga at Chhapra .
 - It is a sacred river for both Hindus and Buddhists.
 - It is a left-bank tributary of the Ganga.
 - The river is known by the name of Karnali in Nepal.
 - The Sarada river and the Rakti river are its important tributaries .

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43. Answer: b

Explanation:

The correct answer is Anuradha Roy.

★ Key Points

- **Anuradha Roy** was shortlisted for International Dublin Literary Award 2020.
- She was selected for her book **All The Lives We Never Lived**.
- The book has been selected from a list of **156 novels submitted by library systems in 119 cities in 40 countries**.

- Anuradha Roy and James Crabtree are among the winners of the 'Tata Literature Live Awards 2018'.

★ Additional Information

- Mexican author Valeria Luiselli won the International Dublin Literary Award 2021 for her novel 'Lost Children Archive' .
- Luiselli was announced the winner at the opening of the International Literature Festival Dublin on May 20, 2021.
- Established in 1994 , the International Dublin Literary Award is considered as one of the world's wealthiest awards for literature with a prize money of €100,000 (approximately INR 89,27,300) .
- The award is given to a novel written or translated into English.
- The nominations are made by public libraries from across the world and both authors and translators are eligible for the award.
- Luiselli's novel 'Lost Children Archive' is inspired from the American policy which kept children and their parents away from each other at the Mexican-American border.
- The author also won the Rathbones Folio Prize in 2020 for the same book.

44. Answer: b

Explanation:

The correct answer is GEMINI.

★ Key Points

- **GEMINI** satellite-based system that was launched by the Indian National Centre for Ocean Information Services (INCOIS) and Airport Authority of India (AAI) in October 2019 will alert deep-sea fishermen of upcoming disasters
- The full form of GEMINI is Gagan Enabled Mariner's Instrument for Navigation and Information .
- GEMINI System which was launched recently in India aims to alert deep-sea fishermen of upcoming disasters .

- The GEMINI Device was launched by the Union Minister of Earth Sciences Dr Harsh Vardhan .

★ Additional Information

- The device is developed for effective dissemination of emergency information and communication on Ocean States Forecast and mapping of Potential Fishing Zones (PFZ) to fishermen.
- The accurate state of the ocean which includes the forecasts related to winds, waves, ocean currents, water temperature , etc is provided by the Ocean States Forecast.
- The information about the probable locations of fish aggregation in the seas to the fishermen is provided by the Potential Fishing Zones (PFZ).
- The GEMINI is the portable receiver that is linked to ISRO (Indian Space Research Organisation) satellites .
- With this device fishermen outside the signal range of their phone companies, i.e 10-12 Kilometers can access warnings and alerts .
- The device can send the signals up to three hundred nautical miles .
- While developing the GEMINI device the Indian National Centre for Ocean Information Services (INCOIS) in collaboration with the Airports Authority of India (AAI) utilized the GAGAN (GPS Aided Geo Augmented Navigation).

45. Answer: a

Explanation:

The correct answer is Maithon.

★ Key Points

- The **Maithon Dam** is located about 48 kms from the Coal City of Dhanbad.
 - It is located on the banks of **river Barakar**.
- The **Mettur Dam** is one of the largest dams in India and also the largest in Tamil Nadu, located across the river Kaveri.
- **Kallanai** is built across the Kaveri river flowing from Tiruchirapalli District to Thanjavur district, Tamil Nadu, India.

- The Krishna Raja Sagara Dam (KRS Dam) was built across the river Kaveri.
- Hence Maithon dam is NOT built across the river Kaveri (Cauvery).

★ Additional Information

Prepp

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Dam	State	Across River
Srisaillam dam	On border between Andhra Pradesh and Telangana	Krishna
Nagarjuna Sagar dam	On border between Andhra Pradesh and Telangana	Krishna
Almatti Dam	Karnataka	Krishna
Dhom dam	Maharashtra	Krishna
Krishna Raja Sagar Dam	Karnataka	Kaveri
Mettur dam	Tamil Nadu	Kaveri
Upper Anaicut dam	Tamil Nadu	Kaveri
Sardar Sarovar Dam	Gujarat	Narmada
Omkareshwar Dam	Madhya Pradesh	Narmada
Indira Sagar Dam	Madhya Pradesh	Narmada
Gandhi Sagar Dam	Rajasthan-Madhya Pradesh border	Chambal
Rana Pratap Sagar dam	Rajasthan	Chambal

	Dam	State	Across River
46. Answer: a	Jawahar Sagar Dam	Rajasthan	Chambal

Explanation:

The correct answer is WTO.

★ Key Points

- The WTO headquarters is located in Geneva, Switzerland, is a unique place, with many United Nations and other international organizations, as well as missions to the WTO.
- The Centre William Rappard (CWR) is the name of the building that has been home to the WTO Secretariat since the WTO was established in 1995.

★ Additional Information

List of International Organizations and their Headquarters

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International organizations	Headquarters
United Nations Organisation	New York, USA
United Nations Children’s Emergency Fund (UNICEF)	New York, USA
United Nations Population Fund (UNFPA)	New York, USA
UN Women	New York, USA
United Nations Security Council (UNSC)	New York, USA
International Monetary Fund (IMF)	Washington DC, United States
World Bank Group (WBG)	Washington DC, United States
World Health Organisation (WHO)	Geneva, Switzerland
International Labour Organisation	Geneva, Switzerland
International Committee of the Red Cross	Geneva, Switzerland
World Trade Organisation	Geneva, Switzerland
World Meteorological Organisation (WMO)	Geneva, Switzerland
World Intellectual Property Organization (WIPO)	Geneva, Switzerland
International Organization for Standardization	Geneva, Switzerland
UNAIDS	Geneva, Switzerland
United Nations Educational Scientific and Cultural Organisation (UNESCO)	Paris, France
Organization for Economic Cooperation and Development (OECD)	Paris, France
United Nations Industrial Development Organization (UNIDO)	Vienna, Austria

International organizations	Headquarters
International Atomic Energy Agency (IAEA)	Vienna, Austria
Organization of Petroleum Exporting Countries (OPEC)	Vienna, Austria
International Maritime Organisation (IMO)	London, United Kingdom
Commonwealth of Nations	London, United Kingdom
Amnesty International	London, United Kingdom
Food and Agricultural Organisation (FAO)	Rome, Italy
North Atlantic Treaty Organisation (NATO)	Brussels, Belgium
Universal Postal Union	Berne, Switzerland
Association of Southeast Asian Nations (ASEAN)	Jakarta, Indonesia
Asia-Pacific Economic Cooperation (APEC)	Queenstown, Singapore
Transparency International	Berlin, Germany
International Renewable Energy Agency	Abu Dhabi (UAE)
South Asian Association for Regional Cooperation	Kathmandu, Nepal
Organization of Islamic Cooperation	Jeddah, Saudi Arabia
Indian Ocean Rim Association for Regional Cooperation	Ebene, Mauritius
Worldwide Fund for Nature	Gland, Switzerland
International Union of Pure and Applied Chemistry	North Carolina
Organization for the Prohibition of Chemical Weapons	The Hague, The Netherlands
International Olympic Committee	Lausanne, Switzerland
World Economic Forum	Cologny-Geneva, Switzerland

International organizations	Headquarters
International Union for Conservation of Nature (IUCN)	Gland, Switzerland
International Council on Monuments and Sites (ICOMOS)	Paris, France
United Nations Environment Programme (UNEP)	Nairobi, Kenya
United Nations High Commissioner for Refugees (UNHCR)	Geneva, Switzerland
United Nations Office on Drugs and Crime (UNODC)	Vienna, Austria
United Nations Interregional Crime and Justice Research Institute (UNICRI)	Turin, Italy
UN Office for Disaster Risk Reduction (UNDRR)	Geneva, Switzerland
International Civil Aviation Organization (ICAO)	Montreal, Canada
United Nations Development Programme (UNDP)	New York, USA
International Fund for Agricultural Development (IFAD)	Rome, Italy
International Telecommunication Union (ITU)	Geneva, Switzerland
United Nations World Tourism Organization (UNWTO)	Madrid, Spain
United Nations University (UNU)	Tokyo, Japan
International Court of Justice (ICJ)	The Hague, Netherlands
United Nations Conference on Trade and Development (UNCTAD)	Geneva, Switzerland
UN-Habitat	Nairobi, Kenya
World Food Programme (WFP)	Rome, Italy
UN-OHRLS	New York, USA

47. Answer: d

International organizations	Headquarters
Office of the High Commissioner for Human Rights (OHCHR)	Geneva, Switzerland
United Nations High Commissioner for Refugees (UNHCR)	Geneva, Switzerland

Explanation:

The correct answer is Jaipur.

★ Key Points

- For the collection, receipt, and dispatch of currency notes, the Reserve Bank of India (RBI) will set up its first Automated Banknote Processing Centre (ABPC) in Jaipur.
- The decision was made to deal with the growing circulation of banknotes effectively. The RBI document claimed that, despite the growth in digital payments, cash remains a significant mode of payment for most Indian people.
- Actually, with the increase of digital payments, the currency notes in circulation have been gradually growing. In addition, India has also witnessed the global trend of the rising volume of banknotes in circulation.

★ Additional Information

- The RBI has estimated ABPC storage capacity requirements, which include a daily average of 1,883 million pieces of fresh note stock during 2024-25, 2,950 million pieces during 2029-30, and 6,853 million pieces during 2039-40.
- In 2024-25, the center is also expected to store approximately 7,718 million pieces of soiled notes, 11,568 million pieces in 2029-30, and 27,757 million pieces in 2039-40.

48. Answer: d

Explanation:

The correct answer is Kamarupa.

★ Key Points

- Kosala, Anga, Kuru are the Mahajanpadas.
- **Kamarupa**, also called Kamrup or Kamata, ancient Indian state corresponding roughly to what is now the state of Assam, in northeastern India.
 - Hence Kamarupa is NOT one of the 16 Mahajanapadas.

★ Additional Information

16 Mahajanapadas with their capital are as follows :

Mahajanapada	Capital
Anga	Champa, Champanagri
Magadha	Rajgriha, Patliputra, Vaishali
Kashi	Varanasi
Gandhar	Taxila
Kuru	Indraprastha
Kosal	Shravasti, Ayodhya
Sursena	Mathura
Kamboj	Hataka, Rajapur
Malla	Kushinagar, Pevapuri
Vats	Kaushambi
Chedi	Shaktimata
Matsya	Viratnagar
Panchala	Ahichhatra, Kampilya
Vajji	Videha, Mithila
Avanti	Ujjain, Mahismati
Asmaka	Potan, Potali

49. Answer: b

Explanation:

The Correct Answer is Javed Akhtar.

★ Key Points

- The poet, lyricist, and writer Javed Akhtar has become the first Indian to receive the prestigious Richard Dawkins Award for 2020.
- The award was given for critical thinking, holding religious dogma up to scrutiny, advancing human progress, and humanist values.
- The Richard Dawkins Award is an annual award that was presented by the Atheist Alliance of America up until July 2019 when it moved to the Center For Inquiry (CFI).
- The award has been presented since 2003 and is named after Richard Dawkins, an English evolutionary biologist who was named the world's top thinker in a 2013 reader's poll of the 'Prospect' Magazine.

★ Additional Information

Person	Award
Ravish Kumar	Winner of Ramon Magsaysay Award 2019
Abhijit Banerjee	Winner of Nobel Memorial Prize in Economic Sciences in 2019.
Amartya Sen	Winner of Nobel Memorial Prize in Economic Science in 1998.

50. Answer: a

Explanation:

The correct answer is Kanishka.

★ Key Points

- Ashvaghosha was a poet in the court of King Kanishka.
- Ashvaghosha and other Buddhist scholars from Kanishka's period (around 1900 years ago) began writing in Sanskrit .
- Earlier Buddha's teachings were in the common man's language (Prakrit) but later kings changed the practice gradually to the needs of the time.
- He was a Buddhist writer and was very famous among Buddhist writers.
- He wrote Buddhacharita which is the biography of Buddha.
 - It is written in the Sanskrit language.
- He also wrote Sutralankar.

★ Additional Information

- Kanishka was the most famous Kushana ruler.
- He ruled around 1900 years ago .
- The fourth **Buddhist council**-
 - Held in 72 AD at Kundalvana, Kashmir .
 - It was presided over by Vasumitra .
 - Ashvaghosha was his deputy.
 - The **council** was held under the patronage of **Kanishka** .

51. Answer: d

Explanation:

Given:

8% of the votes are invalid

Winner got 60% of the valid votes

Winners won by 5888 votes

Calculation:

Let the total numbers of voters be 100a

Now,

$$\text{Valid votes} = 100a - 100a \times 8\%$$

$$\Rightarrow 92a$$

Now,

$$\text{Winning candidate got } 92a \times 60\%$$

$$\Rightarrow 55.2a$$

$$\text{So, losing candidate got} = 92a - 55.2a$$

$$\Rightarrow 36.8a$$

According to the question,

$$55.2a - 36.8a = 5888$$

$$\Rightarrow 18.4a = 5888$$

$$\Rightarrow a = 5888/18.4$$

$$\Rightarrow a = 320$$

$$\text{So, total voters registered} = 320 \times 100$$

$$\Rightarrow 32000$$

\therefore 32000 voters were registered.

52. Answer: d

Explanation:

Given:

Yusuf purchased an item for Rs. 5500

Profit = 15% and 12%

Concept used:

$$SP = CP \times (100 + P\%)/100$$

Here,

SP is selling price,

CP is cost price,

P% is profit%

Calculation:

$$\text{The selling price of the item} = (5500 \times 115)/100$$

$$\Rightarrow \text{Rs. } 6325$$

Yusuf purchases another item at Rs. 6325

$$\text{The selling price of the 2nd item} = (6325 \times 112)/100$$

$$\Rightarrow \text{Rs. } 7084$$

$$\text{Gain of Yusuf in the whole transaction} = 7084 - 5500$$

$$\Rightarrow \text{Rs. } 1584$$

\therefore H is overall gain is Rs. 1584.

53. Answer: a

Explanation:

Given:

The average weight of X and Y is 40 kg

The average weight of Y and R is 62 kg

The average weight of X and R is 56 kg

Concept used:

Average = Sum of elements/Number of elements

Calculation:

$$\text{Total of X and Y} = 40 \times 2 = 80 \text{ kg} \quad \text{----(i)}$$

$$\text{Total of Y and R} = 62 \times 2 = 124 \text{ kg} \quad \text{----(ii)}$$

$$\text{Total of X and R} = 56 \times 2 = 112 \text{ kg} \quad \text{----(iii)}$$

By adding eq (i), (ii), and (iii) we get

$$2(X + Y + R) = 316$$

$$\Rightarrow X + Y + R = 158 \quad \text{----(iv)}$$

From eq (ii) and eq (iv) we can say

$$X = 158 - 124$$

$$\Rightarrow 34 \text{ kg}$$

\therefore The weight of X is 34 kg.

54. Answer: a

Explanation:

Given:

Score of the 18th innings = 80

Average increased by 4

Concept used:

Average = Sum of elements/Number of elements

Calculation:

Let his average after 17th innings be X

Total runs after 18th innings = $17X + 80$

According to the question,

$$\left[\frac{(17X + 80)}{18}\right] = X + 4$$

$$\Rightarrow 17X + 80 = 18X + 72$$

$$\Rightarrow X = 8$$

So, average after 17th innings = 8

Now,

After 18th innings his average = $8 + 4$

$$\Rightarrow 12$$

\therefore His average after the 18th innings is 12.

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55. Answer: c

Explanation:

Given:

$$5 - \left[\frac{\frac{3}{4} + \left\{ 2\frac{1}{2} - \left(\frac{1}{2} + \frac{1}{6} - \frac{1}{7} \right) \right\}}{6} \right]$$

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:

$$5 - \frac{\frac{3}{4} + \left\{ 2\frac{1}{2} - \left(\frac{1}{2} + \frac{1}{6} - \frac{1}{7} \right) \right\}}{6}$$

$$\Rightarrow \frac{5 - \left[\frac{3}{4} + \left\{ 2\frac{1}{2} - \left(\frac{1}{2} + \frac{7-6}{42} \right) \right\} \right]}{6}$$

$$\Rightarrow \frac{5 - \left[\frac{3}{4} + \left\{ 2\frac{1}{2} - \left(\frac{1}{2} + \frac{1}{42} \right) \right\} \right]}{6}$$

$$\Rightarrow \frac{5 - \left[\frac{3}{4} + \left\{ 2\frac{1}{2} - \left(\frac{21+1}{42} \right) \right\} \right]}{6}$$

$$\Rightarrow \frac{5 - \left[\frac{3}{4} + \left\{ 2\frac{1}{2} - \left(\frac{22}{42} \right) \right\} \right]}{6}$$

$$\Rightarrow \frac{5 - \left[\frac{3}{4} + \left\{ \frac{5}{2} - \left(\frac{22}{42} \right) \right\} \right]}{6}$$

$$\Rightarrow \frac{5 - \left[\frac{3}{4} + \left\{ \frac{105-22}{42} \right\} \right]}{6}$$

$$\Rightarrow \frac{5 - \left[\frac{3}{4} + \left\{ \frac{83}{42} \right\} \right]}{6}$$

$$\Rightarrow \frac{5 - \left[\frac{63+166}{84} \right]}{6}$$

$$\Rightarrow \frac{5 - \left[\frac{229}{84} \right]}{6}$$

$$\Rightarrow \frac{420-229}{84 \times 6}$$

$$\Rightarrow \frac{191}{84 \times 6}$$

$$\Rightarrow \frac{191}{504}$$

∴ Required answer is $\frac{191}{504}$.

56. Answer: b

Explanation:

Given:

Ratio of shares of X, Y, Z, and W = 5 : 2 : 4 : 3

Difference between Z and W = Rs. 1000

Calculation:

Let the amount X, Y, Z, and W get be 5x, 2x, 4x and 3x

Now,

According to the question,

$$4x - 3x = 1000$$

$$\Rightarrow x = 1000$$

So, Y's share = 2×1000

$$\Rightarrow \text{Rs. } 2000$$

∴ Y's share is Rs. 2000.

57. Answer: a

Explanation:

Given:

Speed of the two boys are 5.5 km/h and 3.5 km/h

Concept used:

Time = Distance/speed

Relative Speed of 2 bodies:

The relative speed of two objects = Difference in their individual speeds if they are moving in the same direction.

Calculation:

The relative speed of the two boys = $5.5 - 3.5$

$\Rightarrow 2 \text{ km/h}$

Now,

Required time = $8.8/2$

$\Rightarrow 4.4 \text{ hours}$

\therefore They take 4.4 hours to be 8.8 km apart.

Speed of the 1st boy is more than 2nd one

★ Additional Information

So, the distance between them after 4.4 hours will be 8.8 km.

58. Answer: b

Explanation:

Given:

Ratio of shares of A, B, C, and D = $5 : 2 : 4 : 3$

Difference between A and D = Rs. 1000

Calculation:

Let the amount A, B, C, and D get be $5x$, $2x$, $4x$ and $3x$

Now,

According to the question,

$$5x - 3x = 1000$$

$$\Rightarrow 2x = 1000$$

$$\Rightarrow x = 1000/2$$

$$\Rightarrow x = 500$$

$$\text{So, B's share} = 2 \times 500$$

$$\Rightarrow \text{Rs. } 1000$$

\therefore B's share is Rs. 1000.

59. Answer: c

Explanation:

Given:

V and S denote the volume and Total Surface Area of a cuboid

Sides a, b, c

Concept used:

Volume of a cuboid = $l \times b \times h$

Total surface area = $2(lb + bh + lh)$

Here,

l = length

b = breadth

h = height

Calculation:

$$V = (a \times b \times c)$$

$$S = 2(ab + bc + ac)$$

Now,

From options:

Option 1:

$$\frac{1}{(a \times b \times c)} = \frac{2}{2(ab+bc+ac)} \times (a + b + c)$$
$$\Rightarrow \frac{1}{(a \times b \times c)} = \frac{(a+b+c)}{(ab+bc+ac)}$$

Not satisfying

Option 2:

$$\frac{1}{(a \times b \times c)} = 2(ab + bc + ac)\left(\frac{1}{a} + \frac{1}{b} + \frac{1}{c}\right)$$
$$\Rightarrow \frac{1}{(a \times b \times c)} = 2(ab + bc + ac)\left(\frac{ab+bc+ac}{a \times b \times c}\right)$$
$$\Rightarrow \frac{1}{(a \times b \times c)} = \frac{2(ab+bc+ac)^2}{(a \times b \times c)}$$

Not satisfying

Option 3:

$$\frac{1}{(a \times b \times c)} = \frac{2}{2(ab+bc+ac)} \times \left(\frac{1}{a} + \frac{1}{b} + \frac{1}{c}\right)$$
$$\Rightarrow \frac{1}{(a \times b \times c)} = \frac{1}{(ab+bc+ac)}\left(\frac{ab+bc+ac}{a \times b \times c}\right)$$
$$\Rightarrow \frac{1}{(a \times b \times c)} = \frac{1}{(a \times b \times c)}$$

Satisfying

Option 4:

$$(a \times b \times c) = \frac{2}{2(ab+bc+ac)} \times \left(\frac{1}{a} + \frac{1}{b} + \frac{1}{c}\right)$$

$$\Rightarrow (a \times b \times c) = \frac{1}{(ab+bc+ac)} \left(\frac{ab+bc+ac}{a \times b \times c}\right)$$

$$\Rightarrow (a \times b \times c) = \frac{1}{(a \times b \times c)}$$

Not satisfying

∴ Required answer is Option 3.

★ Alternate Method

$$V = abc$$

$$S = 2(ab + bc + ca)$$

$$\text{Hence, } a = V/bc, b = V/ac, c = V/ab$$

$$S = 2(V/c + V/a + V/b)$$

$$S = 2V(1/a + 1/b + 1/c)$$

$$\text{or } (1/V) = (2/S) (1/a + 1/b + 1/c)$$

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60. Answer: d

Explanation:

Given:

A can finish as much work in 6 days as C can in 8 days.

B can finish as much work in 6 days as C can in 4 days.

Concept used:

Total work = Efficiency of the worker × time taken by them

Calculation:

Let the efficiency of the A, B, and C be a, b, and c

According to the question,

$$6a = 8c$$

$$\Rightarrow a/c = 8/6 = 4/3 \quad \text{-----(i)}$$

Again,

$$6b = 4c$$

$$\Rightarrow b/c = 4/6 = 2/3 \quad \text{-----(ii)}$$

From eq (i) and eq (ii) we can say

$$a : b : c = 4 : 2 : 3$$

Let efficiency of them be $4x$ and $2x$ and $3x$

Now,

$$\text{Required work} = 54 \times 4x$$

$$\Rightarrow 216x$$

$$\text{Required time} = 216x/2x$$

$$\Rightarrow 108 \text{ days}$$

\therefore B will require 108 days to finish a work if A takes 54 days to finish it.

61. Answer: a

Explanation:

Given:

Two numbers are 52 and 936

Concept used:

For this type of question we use LCM of the given number to calculate the required number

Calculation:

$$520 = 2^3 \times 5 \times 13$$

$$936 = 2^3 \times 3^2 \times 13$$

$$\text{LCM} = 2^3 \times 13 \times 3^2 \times 5$$

$$\Rightarrow 4680$$

$$\text{So, required number} = 4680 - 17$$

$$\Rightarrow 4663$$

\therefore Required number is 4663.

62. Answer: c

Explanation:

Given:

Sides of the rectangle = 15 cm and 7 cm

Concept used:

Perimeter of a rectangle = $2(l + b)$

Perimeter of a circle = $2\pi r$

Area of a circle = πr^2

Here,

l = length

b = breadth

r = radius

Calculation:

Let the radius of the circle be r

According to the question,

$$2(15 + 7) = 2\pi r$$

$$\Rightarrow 2 \times 22 = 2 \times (22/7) \times r$$

$$\Rightarrow r = 22 \times (7/22)$$

$$\Rightarrow r = 7$$

So, the radius of the circle = 7 cm

$$\text{Now, Area of the circle} = (22/7) \times 7^2$$

$$\Rightarrow 22 \times 7$$

$$\Rightarrow 154 \text{ cm}^2$$

\therefore The area of the circle is 154 cm².

63. Answer: a

Explanation:

Given:

The difference between the compound interest and simple interest on a certain sum at 10 percent per annum for 2 years is Rs. 1200.

Concept used:

Difference between compound interest and simple interest for 2 years:

$$\text{Difference} = P \times (r/100)^2$$

Here.

P = principal or sum

r = rate of interest

Calculation:

Let the sum be Rs. P

Now,

$$1200 = P \times (10/100)^2$$

$$\Rightarrow 1200 = P \times (1/10)^2$$

$$\Rightarrow 1200 = P/100$$

$$\Rightarrow P = 1200 \times 100 = \text{Rs. } 120000$$

\therefore The sum is Rs. 120000.

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64. Answer: d

Explanation:

Given:

Cost of milk = 50/L

Selling price of mixture = 60/L

Concept used:

Selling price = Cost price + profit

$$\text{Profit\%} = (\text{Profit}/\text{Cost price}) \times 100$$

Calculation:

Let the quantity of the milk in the mixture be $3x$

So, the quantity of the water = $3x \times (1/3)$

$$\Rightarrow x$$

Total cost of the mixture = $(3x \times 50) + x \times 0$ [As water has no value in money]

$$\Rightarrow 150x$$

Now,

Selling price = $60(3x + x)$

$$\Rightarrow 60 \times 4x$$

$$\Rightarrow 240x$$

$$\text{Profit} = 240x - 150x$$

$$\Rightarrow 90x$$

$$\text{Profit \%} = (90x/150x) \times 100$$

$$\Rightarrow 60$$

\therefore H is profit percentage is 60%.

65. Answer: c

Explanation:

Given:

Speed at the time of going from A to B = 9 km/h

Speed at the time of going from B to A = 15 km/h

Concept used:

Time = Distance/Speed

Calculation:

Let the distance of A to B be x km

Ratio of Time from B to A and from A to B = $\frac{x}{15} \times \frac{9}{x}$

$$\Rightarrow \frac{x}{15} \times \frac{9}{x}$$

$$\Rightarrow \frac{9}{15}$$

$$\Rightarrow \frac{3}{5}$$

So, ratio = 3 : 5

∴ Required ratio is 3 : 5.

66. Answer: a

Explanation:

Given:

The sum of three positive numbers is 339

Ratio of 1st number and 2nd number = 3 : 7

Ratio of 2nd number and 3rd number = 5 : 9

Calculation:

1st number : 2nd number = 3 : 7 ----(i)

2nd number : 3rd number = 5 : 9 ----(ii)

By equaling 2nd number in both the equation we get,

1st number : 2nd number : 3rd number = 15 : 35 : 63

Let the numbers be $15x$, $35x$ and $63x$

Now,

According to the question,

$$15x + 35x + 63x = 339$$

$$\Rightarrow 113x = 339$$

$$\Rightarrow x = 339/113$$

$$\Rightarrow x = 3$$

$$\text{So, 2nd number} = 35 \times 3 = 105$$

\therefore The second number is 105.

67. Answer: c

Explanation:

Given:

The number are 10, 15, and 18

Concept used:

We know that, If the number is divisible by given numbers then it should be the multiple of their LCM

Calculation:

LCM of 10, 15, and 18 = 90

Now the largest 4-digit number is 9999

If we divide 9999 by 90 we get the remainder as 9

The number completely divisible by 10, 15, and 18 = 9999 - 9

⇒ 9990

∴ The largest 4-digit number that is divisible by each of 10, 15, and 18 is 9990.

68. Answer: c

Explanation:

Given:

1st AC can cool in 10 min

2nd AC can cool in 15 min

Concept used:

Total work = Time taken by the objects to do a work × efficiency of the objects

Calculation:

LCM of 10 and 15 = 30 i.e total work

Now,

Efficiency of the 1st AC = $30/10 = 3$ units/min

Efficiency of the 2nd AC = $30/15 = 2$ units/min

Effective efficiency of the two ACs = $3 + 2 = 5$ units/min

Time taken to cool the hall when two ACs are on together = $30/5$

⇒ 6 min

∴ They will cool the hall in 6 min.

69. Answer: c

Explanation:

Given:

The selling price of a toy is $\frac{4}{3}$ of its Cost Price

Concept used:

Selling price = Cost price + profit

Profit% = $[(\text{Profit})/\text{Cost price}] \times 100$

Calculation:

Let the cost price of the toy be $3x$

So, the selling price of the toy = $3x \times \frac{4}{3}$

$\Rightarrow 4x$

Profit = $4x - 3x = x$

Profit % = $(x/3x) \times 100$

$\Rightarrow 100/3$

\therefore The profit percentage is $\frac{100}{3}$ %.

70. Answer: b

Explanation:

Given:

S.I = Rs. 12800

Time = 2 years

Difference of C.I and S.I = Rs. 704

Concept used:

Difference between compound interest and simple interest for 2 years:

$$\text{Difference} = P \times (R/100)^2$$

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

Here.

P = principal or sum

T = time

R = rate of interest

Calculation:

Let the sum be P and the rate be R

Now,

$$704 = P \times (R/100)^2$$

$$\Rightarrow 704 = PR^2/10000$$

$$\Rightarrow (7040000/R^2) = P$$

Again,

$$12800 = \frac{(7040000 \times 2 \times R)}{R^2 \times 100}$$

$$\Rightarrow 12800 = \frac{(7040000 \times 2)}{100R}$$

$$\Rightarrow 12800 = \frac{(7040000 \times 2)}{100R}$$

$$\Rightarrow R = \frac{(7040000 \times 2)}{100 \times 12800}$$

$$\Rightarrow R = 11$$

So, rate = 11%

\therefore The rate of interest per annum is 11%.

71. Answer: b

Explanation:

Given:

Actual price of the oven = Rs. 3200

Discount% = 20% and 5%

Concept used:

Selling price = Actual price \times (100 - discount%)/100

Calculation:

Price after 1st discount = $3200 \times 80\%$

\Rightarrow Rs. 2560

Price after 2nd discount = $2560 \times 95\%$

\Rightarrow Rs. 2432

So, she paid = Rs. 2432

\therefore She paid Rs. 2432.

72. Answer: a

Explanation:

Given:

The seller sold 30% of the oranges what he had

Remaining oranges = 210

Calculation:

Let the seller have $100a$ oranges

According to the question,

$$100a - 100a \times 30\% = 210$$

$$\Rightarrow 70a = 210$$

$$\Rightarrow a = 210/70$$

$$\Rightarrow a = 3$$

So, total number of oranges = 100×3

$$\Rightarrow 300$$

\therefore The number of oranges he had, initially, was 300.

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73. Answer: a

Explanation:

Given:

Sum = Rs. 4500

Amount = Rs. 5310

Time - 4 years

Concept used:

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

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

Here,

P = sum

T = time

R = rate

Calculation:

$$\text{Interest} = 5310 - 4500$$

$$\Rightarrow 810$$

Let the rate of interest be R

According to the question,

$$810 = (4500 \times 4 \times R)/100$$

$$\Rightarrow 180R = 810$$

$$\Rightarrow R = 810/180$$

$$\Rightarrow R = 4.5$$

So, rate = 4.5%

\therefore The required rate is 4.5%.

74. Answer: c

Explanation:

Given:

A trader marked up his articles 25% more than the cost price.

He offered a discount of 10%

Concept used:

Selling price = Marked price \times (100 – discount)%

Profit% = $[(\text{Selling price} - \text{Cost price})/\text{Cost price}] \times 100$

Calculation:

Let the cost price be 100a.

Marked price = 100a \times 126%

\Rightarrow 126a

Selling price = 126a \times 85%

\Rightarrow 107.1a

Profit% = $[(107.1 - 100)/100] \times 100$

\Rightarrow 7.1%

\therefore Trader's gain percentage is 7.1.

75. Answer: a

Explanation:

Bodmas stands for

B - Brackets

O - Orders (powers/indices or roots)

D - Division

M - Multiplication

A - Addition

S - Subtraction

∴ The letter B in the BODMAS rule stands for Brackets.

76. Answer: b

Explanation:

The correct answer is **grabbed** .

★ Key Points

- **Grab:** to take something with a sudden movement.
- **Capture:** to take control of something.
- **Snatch:** to take something with a quick rough movement.
- **Occupy:** to fill a space or period of time.
- Thus, the most appropriate option to fill in the blank is '**grabbed**' .

★ Additional Information

- **Snatch** would be used if you were holding something and someone took it away from you forcefully without asking. **Grab** means **to take something with a sudden movement**.
 - Thus, '**grab**' is the more appropriate word.
-

77. Answer: c

Explanation:

The correct answer is **Agree**.

★ Key Points

- **Deny:** to refuse to admit or accept something.
- **Agree:** to have the same opinion as somebody/something.
- Thus, the correct antonym of **Deny** is **Agree** .

★ Additional Information

- **Deflate:** to become or to make something smaller by letting the air or gas out of it.
 - **Mourn:** to feel and show great sadness, especially because somebody has died.
 - **Exhaust:** the waste gas that comes out of a vehicle.
-

78. Answer: d

Explanation:

The erroneously spelt word is **Celastiel** .

★ Key Points

- The **correct spelling** and **meaning** of the selected option are:
- **Celestial** : of the sky or of heaven.
 - Example: The **celestial** beauty of the artwork caused all of the viewers to stand in awe.
- Thus, the correct answer is **Option 4**.

★ Additional Information

- **Beverage** : a drink
 - **Cuisine** : the style of cooking of a particular country, restaurant, etc.
 - **Mundane** : ordinary; not interesting or exciting
-

79. Answer: b

Explanation:

The correct answer is **a rush for tickets**.

★ Key Points

- A **concert** is a performance of music that is meant for a large number of people.
- Thus, the **plural of ticket** should be used here as there will be multiple tickets.
- The use of **'the'** is also inappropriate here as the tickets are general in nature and not specific.
- Hence, the most appropriate option that can substitute the underlined segment in the given sentence is **'a rush for tickets'**.
- Thus, the correct answer is **Option 2**.

Correct Sentence: *When news of the concert leaks out, there will be a rush for tickets.*

80. Answer: c

Explanation:

The erroneously spelt is **Abbreviations** .

★ Key Points

- The correct answer and meaning of the selected option are:
 - **Abbreviations:** Short forms of words or phrases.
- Thus, the incorrectly spelt word is **'Abbreviations'** .
- Therefore, the correct answer is **Option 3**.

★ Additional Information

- **Fluttering:** to move or make something move quickly and lightly.
- **Menace:** a danger or threat.
- **Notoriety:** the quality or state of being notorious.

81. Answer: a

Explanation:

The correct answer is **Transform** .

★ Key Points

- **Alter**: change in character or composition, typically in a comparatively small but significant way.
- **Transform**: to change somebody/something completely.
- Thus, the correct synonym of **Alter** is **Transform** .

★ Additional Information

- **Retain**: to keep or continue to have something; not to lose.
- **Preserve**: to keep something safe or in good condition.
- **Beautify**: improve the appearance of something.

82. Answer: a

Explanation:

The correct answer is **Lose control** .

★ Key Points

- **Get out of hand**: to become difficult to control.
 - **Example**: This matter is **getting out of hand** now.
- Hence, the most appropriate meaning of the given idiom is **Lose control** .
- Thus, the correct answer is **Option 1**.

83. Answer: d

Explanation:

The correct answer is **interested**.

★ Key Points

- **Account:** consider or regard in a specified way.
- **Disassociate:** disconnect or separate.
- **Bother:** to disturb, annoy or worry somebody.
- **Interested:** wanting to know or hear more about something/somebody; enjoying or liking something/somebody.
- The sentence expresses the fact that in the modern world, everyone wants to make easy money or everyone enjoys making easy money.
- Thus, the most appropriate option to fill in the blank is '**interested**'.

84. Answer: c

Explanation:

The correct answer is **Activate**.

★ Key Points

- **Activate:** to make something start working; make (something) active or operative.
- Hence, the correct one-word substitute for the given group of words is '**Activate**'.

★ Additional Information

- **Enthuse:** express eager enjoyment, interest, or approval regarding something.
- **Energise:** to make somebody enthusiastic and alert about something.
- **Initiate:** to start something'

85. Answer: c

Explanation:

The correct answer is **the burglar was made** .

★ Key Points

- In the given context, **the burglar** is the **subject** who had made the mess.
- Thus, the **active form** of the sentence should be used here instead of the **passive form** .
- When two events occur one after the other, the first one is expressed in the simple past tense (here, saw) and the second one is expressed in past perfect tense (here, had made).
- '**The burglar was made**' should be replaced by '**the burglar had made**' .
- Thus, the correct answer is **Option 3** .

Correct Sentence: *When Nancy saw the mess the burglar **had** made, she broke down in tears.*

86. Answer: d

Explanation:

The correct answer is **To learn something secret** .

★ Key Points

- **To get wind of:** begin to suspect that (something) is happening; hear a rumour of.
 - **Example:** Ritu does not want her colleagues **to get wind of** her joining a new organization.
- Thus, the most appropriate meaning of the given idiom is **To learn something secret**.
- Thus, the correct answer is **Option 4**.

87. Answer: a

Explanation:

The correct answer is **awakened**.

★ Key Points

- **Awaken:** to make somebody/something wake up.
 - Ruby was **awakened** by a knock at her door.
- Also, '**awakened**' is followed by the preposition '**by**'.
- The given sentence conveys that the person was made to wake up by the sound of the bell.
- Hence, the most appropriate option to fill in the blank is '**awakened**'.

Correct Sentence: *I was awakened by the sound of the doorbell.*

★ Additional Information

- **Enhance:** to improve something or to make something look better.
- **Enable:** to make it possible for somebody/something to do something.
- **Activate:** to make something start working.

88. Answer: a

Explanation:

The correct answer is **she has live** .

★ Key Points

- The given sentence is in the **present perfect tense** .
- '**She has live**' should be replaced by '**she has lived**' .
- The correct formation of the present perfect tense is:
 - Subject + has/have + V3 + Object
 - **Example:** *Divya **has cleaned** her bookshelf.*
- Thus, the segment that contains a grammatical error is '**she has live**' .
- Therefore, the correct answer is **Option 1**.

Correct Sentence: *Mona is from Paris. She has **lived** there all her life.*

89. Answer: d

Explanation:

The correct answer is **Premiere**.

★ Key Points

- **Premiere:** the first public performance of a play, film, etc.
- Hence, the option that can be used as a one-word substitute for the given group of words is '**Premiere**'.

★ Additional Information

- **Debris:** pieces from something that has been destroyed, especially in an accident.
- **Easel:** a wooden frame that holds a picture while it is being painted.
- **Charade:** a situation or event that is clearly false but in which people pretend to do or be something.

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90. Answer: d

Explanation:

The correct answer is **Misfortune** .

★ Key Points

- **Adversity:** difficulties or problems.
- **Misfortune:** bad luck or disaster.
- Thus, the correct synonym of **Adversity** is **Misfortune** .

★ Additional Information

- **Fortune:** Luck.
- **Privilege:** a special right or advantage that only one person or group has.
- **Emergency:** a serious event that needs immediate action.

91. Answer: a

Explanation:

The correct answer is 'and' .

★ Key Points

- The word 'and' should be replaced by 'but' .
- 'But' is a conjunction that is used for joining two ideas or statements when the second one is different from the first one or seems surprising after the first one.
- And is used to link two words or phrases that are the same in order to emphasize the degree of something
- In the given sentence, both sentences are different, and therefore, the usage of 'but' is appropriate here.
- Hence, the segment that contains grammatical error is ' and' .
- Thus, the correct answer is **Option 1**.

Correct Sentence: *It was cold **but** we still went swimming.*

92. Answer: d

Explanation:

The correct answer is **don't know**.

★ Key Points

- The word **people** is a plural noun.
- **Singular verbs** must agree with **singular nouns** , while **plural verbs** must agree with **plural nouns** .

- A **singular verb** is one that has an s added to it in the present tense, such as writes, plays, runs, and uses forms such as is, was, has, and '**does**'.
- A **plural verb** does not have an s added to it, such as write, play, run, and uses forms such as are, were, have, and '**do**'.
- Thus, the use of the **plural verb** is the most appropriate here.
- Hence, the most appropriate option that can substitute the underlined segment in the given sentence is **don't know**.

Correct Sentence: *People in North India **don't** know much about South Indian culture.*

93. Answer: a

Explanation:

The correct answer is **bearing**.

★ Key Points

- **Bear:** carry the weight of; support.
- **Store:** a supply of something that is kept for future use; the place where it is kept.
- **Hold:** to keep something in a certain position.
- **Load:** to put a large quantity of something into or onto somebody/something.
- The sentence is expressing the fact that the little girl was walking slowly as she was burdened by her weight.
- Hence, the most appropriate option to fill in the blank is '**bearing**'.

94. Answer: d

Explanation:

The correct answer is **Retreat**.

★ Key Points

- **Advance:** to move forward.
- **Retreat:** to move backward in order to leave a battle or in order not to become involved in a battle.
- Hence, the most appropriate antonym of '**Advance**' is '**Retreat**'.

★ Additional Information

- **Assemble:** to come together or bring somebody/something together in a group.
 - **Progress:** movement forwards or toward achieving something.
 - **Approach:** to come near or nearer to somebody/something.
-

95. Answer: b

Explanation:

The correct answer is **Immoral**.

★ Key Points

- **Immoral:** Matter which is considered wrong or not honest by most people.
- Hence, the option that can be used as a one-word substitute for the given group of words is '**Immoral**'.

★ Additional Information

- **Mortal:** unable to continue living forever.
 - **Immortal:** living or lasting forever.
 - **Amorous:** showing sexual desire and love for somebody.
-

96. Answer: d

Explanation:

The correct answer is '**have happened**' .

★ Key Points

- **Should never have + past participle** talks about past events, actions that did happen but it would be better if they had not happened.
- A **mistake or regret** is implied.
 - **Example:** *They **should never have sent** him away.*
- Thus, the most appropriate option to fill in the blank is '**have happened**'.

Correct Paragraph: *Naval architects never claim that a ship is unsinkable, but sinking of the passenger-and-car ferry Estonia in the Baltic surely should never (1) **have happened**. It was well designed and carefully (2)_____ It carried the proper number of lifeboats. It had been (3)_____ inspected the day of its fatal voyage. Yet hours (4)_____, the Estonia rolled over and sank in a cold, stormy night. It went down (5)_____ quickly that most of those on board, caught in their dark, flooding cabins, had no chance to save themselves.*

97. Answer: d

Explanation:

The correct answer is **maintained** .

★ Key Points

- In the second blank of the passage, '**maintained**' will be used.
- The sentence is in the **simple past tense** (we know this by the use of '**was**' and '**designed**').
- Thus, the verb in the second blank should also be in the simple past tense (**maintained**) .
- Hence, the correct option is **Option 4** .

Correct Paragraph : *Naval architects never claim that a ship is unsinkable, but sinking of the passenger-and-car ferry Estonia in the Baltic surely should never (1) **have happened**. It was well designed and carefully (2) **maintained**. It carried the proper number of lifeboats. It had been (3)_____ inspected the day of its fatal voyage. Yet hours (4)_____, the Estonia rolled over and sank in a cold, stormy*

night. It went down (5)_____ quickly that most of those on board, caught in their dark, flooding cabins, had no chance to save themselves.

98. Answer: b

Explanation:

The correct answer is **thoroughly** .

★ Key Points

- **Thoroughly:** in a careful and complete way.
- The given sentence conveys that the ship was carefully inspected.
- Thus, the correct option is **Option 2** .

Correct Paragraph: Naval architects never claim that a ship is unsinkable, but sinking of the passenger-and-car ferry Estonia in the Baltic surely should never (1) have happened. It was well designed and carefully (2) **maintained**. It carried the proper number of lifeboats. It had been (3) **thoroughly** inspected the day of its fatal voyage. Yet hours (4) _____, the Estonia rolled over and sank in a cold, stormy night. It went down (5) _____ quickly that most of those on board, caught in their dark, flooding cabins, had no chance to save themselves.

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99. Answer: d

Explanation:

The correct answer is **later** .

★ Key Points

- **Later:** at a time in the near future; soon or afterward.
- **Before:** earlier than somebody/something.
- **Latter:** the second of two people, things, or groups previously mentioned.
- **Earlier:** happening or done before the usual or expected time.

- Hence, the correct option is **Option 4**.

Correct Paragraph: Naval architects never claim that a ship is unsinkable, but sinking of the passenger-and-car ferry Estonia in the Baltic surely should never (1) have happened. It was well designed and carefully (2) maintained. It carried the proper number of lifeboats. It had been (3) thoroughly inspected the day of its fatal voyage. Yet hours (4) later, the Estonia rolled over and sank in a cold, stormy night. It went down (5) _____ quickly that most of those on board, caught in their dark, flooding cabins, had no chance to save themselves.

100. Answer: a

Explanation:

The correct answer is **so**.

★ Key Points

- In the fifth blank of the passage, 'so' will be used.
- It is an **adverb** that is used to qualify **another adverb** i.e. quickly.
- It means **to such a great extent**.
 - For Example - The words tumbled out **so** fast that I could barely hear them
- Thus, the correct answer is **Option 1**.

Correct Paragraph: Naval architects never claim that a ship is unsinkable, but sinking of the passenger-and-car ferry Estonia in the Baltic surely should never (1) have happened. It was well designed and carefully (2) maintained. It carried the proper number of lifeboats. It had been (3) thoroughly inspected the day of its fatal voyage. Yet hours (4) later, the Estonia rolled over and sank in a cold, stormy night. It went down (5) so quickly that most of those on board, caught in their dark, flooding cabins, had no chance to save themselves.