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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 (13-Dec-2021) (Shift 2)

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. In a certain code language, the word 'PARTH' is coded as 'TEVXL'. What will be the word for code 'XVEHI' in that language? (+1, -0.25)

- a. TRADE
- b. BZLIM
- c. TARDE
- d. BZILM

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





d.

3. In a certain code language, 'SLIDE' is coded as '382418822'. How will 'TREND' be coded in that language? (+1, -0.25)

- a. 463028282
- b. 428282036
- c. 430622828
- d. 403622288

4. In a certain code language, 'SLEEPER' is written as 'UKGDRDT'. How will 'BEGUMPET' be written in that language? (+1, -0.25)

- a. DOITDOGS
- b. DOITDOOG
- c. DDITOOGS
- d. DDITDOGO

5. 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. Trimmer
- 2. Tripled

3. Trinity

4. Trinket

5. Triumph

a. 3, 1, 2, 5, 4

b. 1, 3, 4, 2, 5

c. 2, 3, 1, 5, 4

d. 1, 4, 3, 2, 5

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

27, 32, 42, 57, 77, ?

a. 124

b. 102

c. 97

d. 105

7. Pooja is the only sister of Gulab. Keshav and Sumer are brothers. Gulab is the only nephew of Keshav. Sumer is the father-in-law of Sonu (male). (+1, -0.25)

How is Pooja related to Sonu?

a. Mother

b. Wife

c. Sister

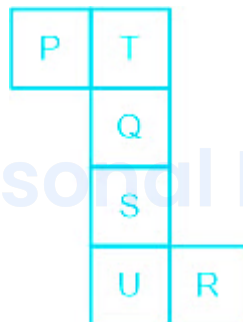
d. Sister-in-law

8. Which two numbers should be interchanged to make the given equation correct? (+1, -0.25)

$$48 + 37 \times 5 - 36 \div 12 = 274$$

- a. 37 and 48
 - b. 12 and 5
 - c. 12 and 36
 - d. 48 and 12
-

9. A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of letters will be on opposite sides? (+1, -0.25)



- a. U and T
 - b. P and Q
 - c. S and R
 - d. Q and U
-

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

U _ _ Q G _ X P _ _ UX _ _ G

- a. XPUQGPQ
- b. XQPGUPQ
- c. XPQUQGP
- d. QPXUGQP

11. 'Axe' is related to 'Woodcutting' in the same way as 'Sieve' is related to '_____'. (+1, -0.25)

- a. Flame
- b. Filter
- c. Grind
- d. Hold

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



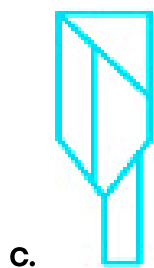
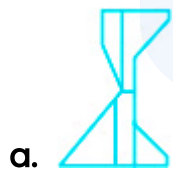
- a. EMBHVSIS

b. EMBHISVS

c. SISAHPME

d. SASHISVS

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





14. Six friends A, B, C, D, E and F are sitting in two lines, facing the north. Three persons are sitting in each line. F is sitting in the middle. C is just behind B. D is to the immediate right of E. B is to the immediate left of F. Which three persons are sitting in the same line? (+1, -0.25)

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

15. 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)

BACK : ZCAM :: REAR : ?

- a. YPGT
 - b. TYPG
 - c. PYGT
 - d. PGYT
-

16. Which term of the series 195, 188, 181, is its first negative term? (+1, -0.25)

- a. 29

- b. 32
- c. 35
- d. 42

17. Select the set of words best represented by the given Venn diagram. (+1, -0.25)



- a. Jasmine, Flowers, Eggs
- b. Water, Liquid, Juice
- c. Roses, Lilies, Flowers
- d. Maize, Rice, Food

18. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded? (+1, -0.25)



- a. 



19. Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number. (+1, -0.25)

$$72 : 6 :: ? : 7 :: 128 : 8$$

- a. 95
- b. 101
- c. 98
- d. 90
-
20. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series. (+1, -0.25)
- NX, LZ, JB, ?, FF, DH

- a. HC
 - b. GC
 - c. HD
 - d. ED
-

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

Statements:

- I. Some trolley-bags are backpacks.
- II. Some backpacks are suitcases.
- III. All suitcases are bags.

Conclusions:

- I. At least some backpacks are bags.
 - II. some bags are suitcases.
- a. Only conclusion II follows.
 - b. Neither conclusion I nor II follows.
 - c. Both, conclusion I and II follow.
 - d. Only conclusion I follows.
-

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

17, 18, 14, 23, 7, 32, -4, ?

- a. 25
- b. -45
- c. 45
- d. -25

23. Eight persons A, B, C, D, E, F, G and H are sitting clockwise around a circular table in the same sequence at equal distances between them. All are facing the centre of the table. If E is sitting in the north-west, then in which direction is G facing? (+1, -0.25)

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

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

9	7	12
12	24	?
15	25	37

- a. 42
- b. 35

c. 36

d. 40

25. 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. MDNK

b. GBTM

c. SFHJ

d. JLQC

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General Knowledge and General Awareness

26. Which of the following states was the first to try out modern methods of farming during the Green Revolution in India? (+1, -0.25)
- a. Tamil Nadu
 - b. Punjab
 - c. Rajasthan
 - d. Madhya Pradesh
-
27. Which of the following awards is given by World Economic Forum to artists who have used their art to improve the state of the world? (+1, -0.25)
- a. Oscar Award
 - b. Grammy Award
 - c. Crystal Award
 - d. Filmfare Award
-
28. The Nobel Prize in _____ 2020 was awarded jointly to Emmanuelle Charpentier and Jennifer A. Doudna. (+1, -0.25)
- a. Medicine
 - b. Chemistry
 - c. Literature
 - d. Physics

29. In which of the following years the Mughal Emperor Shah Alam II appointed the English East India Company as the Diwan of the province of Bengal? (+1, -0.25)

- a. 1865
- b. 1665
- c. 1735
- d. 1765

30. The Census of India 2021 is the _____ decennial Census of India since 1872, when the first systematic census was conducted throughout the country as per uniform pattern. (+1, -0.25)

- a. 15th
- b. 13th
- c. 14th
- d. 16th

31. Which of the following is the total value of goods and services produced by a country during a financial year? (+1, -0.25)

- a. Disposable income
- b. National income
- c. Private income
- d. Personal income

32. Who among the following decides whether a particular bill is a Money Bill or not? **(+1, -0.25)**
- a. Speaker of the Lok Sabha
 - b. Finance Minister of India
 - c. Attorney-General of India
 - d. Comptroller and Auditor-General of India
-

33. The Indian Forest (Amendment) Bill, 2017 excluded _____ from the definition of 'tree'. **(+1, -0.25)**
- a. palm
 - b. cane
 - c. brush-wood
 - d. bamboo
-

34. Which of the following Indian football players is nicknamed as 'Sikkimese Sniper'? **(+1, -0.25)**
- a. Sandesh Jhingan
 - b. Bhaichung Bhutia
 - c. Subrata Pal
 - d. Sunil Chhetri
-

35. In which of the following Indus Valley Civilisation sites was the 'Great Bath' discovered? (+1, -0.25)

- a. Lothal
- b. Kalibangan
- c. Mohenjo-daro
- d. Banawali

36. Which of the following objects is visible only due to reflected light? (+1, -0.25)

- a. a lit torch
- b. a burning candle
- c. the Moon
- d. Stars

37. The Government of India appointed _____ as the country's G20 Sherpa (+1, -0.25) in September 2021.

- a. Suresh Prabhu
- b. Shaktikanta Das
- c. Montek Singh Ahluwalia
- d. Piyush Goyal

38. In which of the following states is India's largest saline wetland, the Sambhar Lake, located? (+1, -0.25)
- a. Karnataka
 - b. Maharashtra
 - c. Tamil Nadu
 - d. Rajasthan
-

39. Afghan cricketer Rashid Khan played for _____ in the Indian Premier League (IPL) 2021. (+1, -0.25)
- a. Sunrisers Hyderabad
 - b. Punjab Kings
 - c. Delhi Capitals
 - d. Rajasthan Royals
-

40. Which of the following chemicals is NOT used as a food preservative to check the growth of microorganisms? (+1, -0.25)
- a. Sodium metabisulphite
 - b. Sodium hydrogen carbonate
 - c. Benzoic acid
 - d. Sodium benzoate
-

41. Which of the following nations chaired the G-20 Foreign Ministers' Extraordinary Meeting, which was held in the virtual mode, on 3 September 2020? (+1, -0.25)

- a. Saudi Arabia
 - b. Argentina
 - c. Mexico
 - d. India
-

42. Which of the following has seeds with two cotyledons? (+1, -0.25)

- a. Maize
 - b. Grass
 - c. Rose
 - d. Rice
-

43. DRDO successfully conducted the final trial of which anti-tank guided missile in Pokhran range in October 2020? (+1, -0.25)

- a. Amogha
 - b. Dhruvastra
 - c. Nag
 - d. Jasmine
-

44. Rani Durgawati, who ruled over on behalf of her five-year-old son Bir Narain, belonged to which of the following tribes? (+1, -0.25)

- a. Korku
- b. Gonds
- c. Baiga
- d. Madia

45. The 'Stand Up India' Scheme facilitates bank loans between ₹ _____ to at least one Scheduled Caste (SC) or Scheduled Tribe (ST) borrower and at least one woman per bank branch for setting up a greenfield enterprise. (+1, -0.25)

- a. 5 lakhs and 10 lakhs
- b. 10 lakhs and 1 crore
- c. 1 lakh and 5 lakhs
- d. 10 thousand and 1 lakh

46. As per the Natya Shastra, idiophones are called _____. (+1, -0.25)

- a. Ghana Vadya
- b. Sushir Vadya
- c. Avanaddha Vadya
- d. Tat Vadya

47. Which of the following statements is INCORRECT? (+1, -0.25)
- a. Arabic was the language of administration under the Delhi Sultans.
 - b. Coins minted in Delhi were called 'Dehliwal'.
 - c. Qutb al-Din Aibak ruled over Delhi from 1206 - 1210.
 - d. Delhi first became the capital of a kingdom under the Tomara Rajputs.
-

48. How many sportspersons won the Rajiv Gandhi Khel Ratna Award in 2020? (+1, -0.25)
- a. Five
 - b. Seven
 - c. One
 - d. Two
-

49. Arjuna Tapasya, one of the world's largest carved sculptures is located in ----- (+1, -0.25)
- a. Satara, Maharashtra
 - b. Wayanad, Kerala
 - c. Mahabalipuram, Tamil Nadu
 - d. Jodhpur, Rajasthan
-

50. Shifting cultivation is also known as:

(+1, -0.25)

- a. rumble and tumble
- b. slash and burn
- c. shift and burn
- d. stash and burn

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Elementary Mathematics

51. The value of $\frac{3 \text{ of } 5\frac{1}{2} + 6 \div 5 - 2 \text{ of } 3 \div 4}{1 + \frac{3}{1+\frac{1}{4}} \text{ of } 5 - 3\frac{1}{3} \text{ of } 2 \div 5}$ is: (+1, -0.25)

a. $\frac{243}{175}$

b. $\frac{302}{105}$

c. $\frac{247}{205}$

d. $\frac{257}{302}$

52. The average of 19 numbers is 58. The average of the first 12 numbers is 63.6 and the average of the last 8 numbers is 55.1. If the 12th number from the beginning is excluded, then what is the average of the remaining numbers? (+1, -0.25)

a. $55\frac{5}{9}$

b. $61\frac{1}{3}$

c. $53\frac{2}{3}$

d. $54\frac{4}{9}$

53. If HCF of 341, 434 and 620 is x, then the value of x lies between: (+1, -0.25)

a. 40 and 45

b. 25 and 30

c. 30 and 35

d. 35 and 40

54. The ratio of alcohol and water in a solution is 4 : 3. In 350 mL of this solution, how much water (in mL) should be added to get a solution containing alcohol and water in the ratio 5 : 6? (+1, -0.25)

- a. 120
- b. 80
- c. 100
- d. 90

55. The simple interest on a certain sum at 6.4% p.a. for $3\frac{3}{4}$ years is Rs. 1,896. What will be the amount (in Rs.) of the same sum at the same rate in $6\frac{1}{4}$ years? (+1, -0.25)

- a. 11,000
- b. 11,080
- c. 11,050
- d. 11,060

56. Reshma spends 84% of her income. If her income increases by 30% and savings increase by 40%, then by what percentage will her expenditure increase (correct to one decimal place)? (+1, -0.25)

- a. 28.8%
- b. 27.2%
- c. 29.2%

d. 28.1%

57. The average score of 35 students in a class test is 46. Later, it was found that at two places 23 was read as 33, and at one place 36 was read as 30. What is the actual average score of the class? **(+1, -0.25)**

a. 45.3

b. 45.6

c. 42.6

d. 44.8

58. Shyamlal marks his goods at 35% above the cost price and allows a discount of 5%. What is his percentage gain? **(+1, -0.25)**

a. 28.50%

b. 28.25%

c. 28.75%

d. 28%

59. If an alloy is to contain copper and zinc in the ratio of 5 : 4, how much quantity of copper is required to be melted with 20 kg of zinc? **(+1, -0.25)**

a. 10 kg

b. 12 kg

c. 15 kg

d. 25 kg

60. When the LCM of 34, 38, 85 and 95 is divided by the average of these numbers, the remainder is: (+1, -0.25)

a. 19

b. 23

c. 17

d. 21

61. The price of jeans was slashed from Rs. 1,250 to Rs. 1,150 by a shopkeeper. What is the discount percentage allowed by the shopkeeper? (+1, -0.25)

a. 7.25%

b. 10%

c. 7.5%

d. 8%

62. Mr. Jugal Kishore invested a certain sum at simple interest for 4 years such that $\frac{3}{7}$ of the sum was invested at 7% p.a., $\frac{2}{5}$ of the sum at 9% p.a. and the remaining sum at 11% p.a. If the total interest received is Rs. 11,880, then the total sum invested is: (+1, -0.25)

a. Rs. 30,000

b. Rs. 35,000

c. Rs. 38,000

d. Rs. 32,000

63. A can complete a work in 8 days. B can complete it in 12 days. With the assistance of C, they completed the work in 4 days. In how many days can C alone complete the same work? (+1, -0.25)

a. 24 Days

b. 6 Days

c. 18 Days

d. 4 Days

64. If a , b and c are positive numbers such that $(a^2 + b^2) : (b^2 + c^2) : (c^2 + a^2) = 34 : 61 : 45$, then $a + b : b + c : c + a =$ (+1, -0.25)

a. 8 : 11 : 9

b. 8 : 9 : 11

c. 9 : 8 : 11

d. 9 : 11 : 8

65. By selling an article for Rs. 375, a man gains as amount such that the profit percentage is equal to cost price. The cost price of the article is: (+1, -0.25)

a. Rs. 150

b. Rs. 250

c. Rs. 200

d. Rs. 160

66. A shopkeeper marks the marked price of an article 30% more than its real price and offers 10% discount. What is the gain percentage? (+1, -0.25)

a. 15%

b. 17%

c. 18%

d. 20%

67. What is the volume of the largest right circular cone that can be cut out of a cube of edge 12 cm (correct to two decimal places)? (+1, -0.25)

a. 282.30 cm^3

b. 452.57 cm^3

c. 395.65 cm^3

d. 290.90 cm^3

68. A sum of money lent out at simple interest amounts to Rs. 715 after 3 years and to Rs. 990 after a further period of 5 years. Find the sum. (+1, -0.25)

a. Rs. 550

b. Rs. 600

c. Rs. 590

d. Rs. 625

69. The value of $96 - 4$ of $(18 - 13) + 4 \times 7$ is: (+1, -0.25)

- a. -36
- b. 560
- c. 104
- d. 36

70. A tank is filled in 3 hours by three pipes A, B and C. Pipe A is 6 times as fast as pipe C and 2 times as fast as pipe B. How many hours will pipes B and C take to fill the tank? (+1, -0.25)

- a. $7\frac{4}{5}$
- b. 7
- c. $7\frac{1}{4}$
- d. $7\frac{1}{2}$

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71. Find the value of x in the following equation. (+1, -0.25)

$$45\% \text{ of } 360 + 30\% \text{ of } 400 = 25\% \text{ of } x$$

- a. 1112
- b. 1200
- c. 1128
- d. 1180

72. A square of side $6\sqrt{2}$ cm is inscribed in a circle. What is the area (in cm^2) of the circle excluding the square (correct to the nearest integer)? (Use $\pi = \frac{22}{7}$) (+1, -0.25)

- a. 39
- b. 41
- c. 27
- d. 47

73. A man takes 2 hours to swim 25 km downstream. He swims 19 km upstream in the same time. What is the speed (in km/h) of the current? (+1, -0.25)

- a. 1.65
- b. 2
- c. 1.8
- d. 1.5

74. Arun sold two article for Rs. 631.80 each. On one he gained 17% and on the other he lost 19%. His loss percentage (correct to one decimal place) in the entire transaction is: (+1, -0.25)

- a. 5.4%
- b. 4.8%
- c. 5.2%
- d. 4.3%

75. The speed of a bus increases by 4 km after every one hour. If the distance travelled in the first one hour was 55 km, then what was the total distance travelled in 13 hours? **(+1, -0.25)**
- a. 1050 km
 - b. 1000 km
 - c. 1100 km
 - d. 1027 km

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English

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

The Nature Channel / gives a lots of / interesting information / on wildlife.

- a. on wildlife
- b. The Nature Channel
- c. gives a lots of
- d. interesting information

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

I could not went for my sister's wedding in Rajasthan as I had my final examination at that time.

- a. as I had
- b. could not went
- c. sister's wedding in Rajasthan
- d. at that time

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

The guests were amazed at the _____ spread of food.

- a. lucky

- b. lavish
 - c. lonely
 - d. light
-

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

Betterment

- a. Progress
 - b. Prosperity
 - c. Deterioration
 - d. Advancement
-

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

A type of substance or material that burns very quickly

- a. Incredible
 - b. Indelible
 - c. Inflammable
 - d. Invisible
-

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

We were took on the vineyards for a tour.

- a. take in
 - b. taken on
 - c. No improvement required
 - d. taken to
-

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

A person who never drinks alcohol.

- a. Alcoholic
 - b. Noctambulist
 - c. Abandoner
 - d. Teetotaller
-

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

As thick as two short planks

- a. Extremely angry
 - b. Extremely ugly
 - c. Extremely intelligent
 - d. Extremely stupid
-

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

If I will meet / my friend today, / I shall give / him this book.

- a. I shall give
- b. If I will meet
- c. him this book
- d. my friend today

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

Steady

- a. Soft
- b. Shaky
- c. Stable
- d. Flexible

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

A plan or route to be followed on a journey

- a. Itinerary
- b. Arrangement
- c. Travel

d. Tour

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

It looks as if it might rain tonight as the sky is _____.

- a. overjoyed
 - b. overdue
 - c. oversized
 - d. overcast
-

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

Tukaram said that scaling every mountain peak has its own _____.

- a. checks
 - b. contests
 - c. burdens
 - d. challenges
-

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

Sturdy

- a. Delicate
- b. Unhealthy
- c. Tough

d. Active

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

The students felt a shame by their bad behaviour.

- a. feel shame on
 - b. felt ashamed by
 - c. No improvement required
 - d. felt ashamed for
-

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

- a. Occurence
 - b. Occasion
 - c. Offering
 - d. Auction
-

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

- a. Guard
- b. Strain
- c. Mutter

d. Hotal

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

Volatile

- a. Certain
 - b. Subtle
 - c. Erratic
 - d. Flighty
-

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

To beat the clock

- a. To brag about oneself
 - b. To perform a task within the time limit
 - c. To race against time
 - d. To be very angry for being late
-

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

Although he got the message he rushed home.

- a. No improvement required
- b. No sooner

c. As soon as

d. Hardly

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

The pandemic (1) _____ created a very difficult situation (2) _____ the migrant workers. They were forced to (3) _____ long distances (4) _____ foot to reach their native places. On the way, several people suffered (5) _____ and died too.

Select the most appropriate option to fill in blank number 1.

a. has

b. would

c. may

d. is

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

The pandemic (1) _____ created a very difficult situation (2) _____ the migrant workers. They were forced to (3) _____ long distances (4) _____ foot to reach their native places. On the way, several people suffered (5) _____ and died too.

Select the most appropriate option to fill in blank number 2.

a. for

- b. from
- c. at
- d. out of

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

The pandemic (1) _____ created a very difficult situation (2) _____ the migrant workers. They were forced to (3) _____ long distances (4) _____ foot to reach their native places. On the way, several people suffered (5) _____ and died too.

Select the most appropriate option to fill in blank number 3.

- a. sleep
- b. stand
- c. travel
- d. rumble

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

The pandemic (1) _____ created a very difficult situation (2) _____ the migrant workers. They were forced to (3) _____ long distances (4) _____ foot to reach their native places. On the way, several people suffered (5) _____ and died too.

Select the most appropriate option to fill in blank number 4.

- a. in
- b. to
- c. on
- d. from

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

The pandemic (1)_____ created a very difficult situation (2)_____ the migrant workers. They were forced to (3)_____ long distances (4)_____ foot to reach their native places. On the way, several people suffered (5)_____ and died too.

Select the most appropriate option to fill in blank number 5.

- a. excitedly
- b. posthumously
- c. miserably
- d. haphazardly

Answers

1. Answer: a

Explanation:

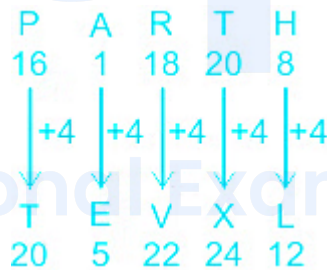
Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

Logic :

- (4) is added to each letter's position value.

So,

- PARTH is coded as :



Similarly,

- Word for code 'XVEHI' – It will reverse i.e instead of adding (4), it will be subtracted.



Hence, "TRADE" is the correct answer.

★ Mistake Points

" XVEHI" is the code itself, and we have to find its root word which is coded as XVEHI.

2. Answer: b

Explanation:

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

1) The line outside the star - It is shifting in the clockwise direction.



2) The line inside the star - It is shifting in the anti-clockwise direction.



Hence, "Option - (2)" is the correct answer.

3. Answer: d

Explanation:

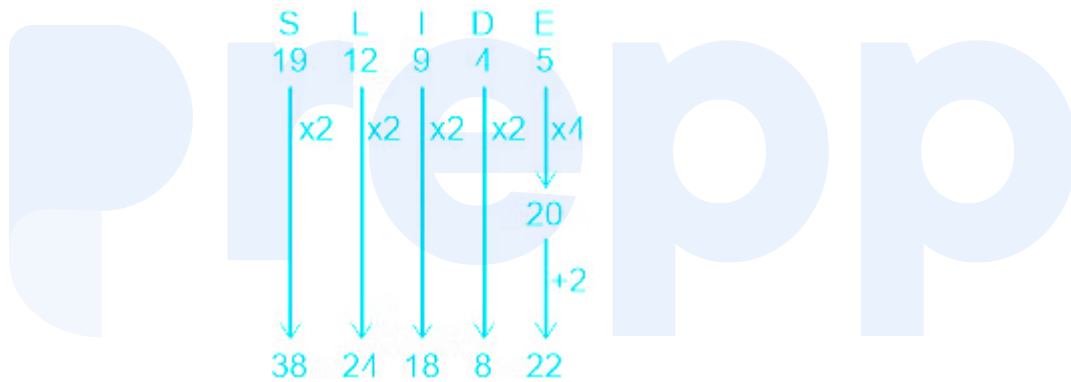
Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

Logic :

- (2) is multiplied by position value of each letter.
- With only letter 'E' first multiplied by (4) then added (2).

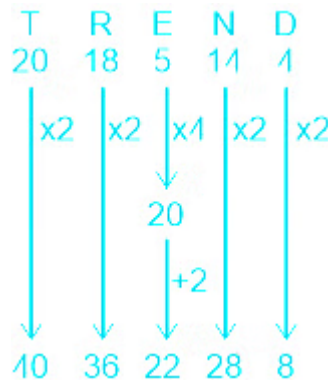
So,

- SLIDE is coded as :



Similarly, **Your Personal Exams Guide**

- TREND is coded as :



Hence, "403622288" is the correct answer.

4. Answer: c

Explanation:

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

Logic :

- (2) is added to each letter's position value in alternate order, starting with the first letter.
- (1) is subtracted from each letter's position value in alternate order, starting with the second letter.

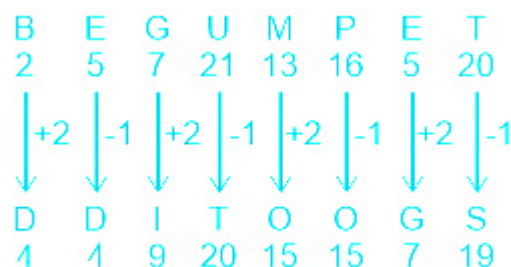
So,

- SLEEPER is written as :



Similarly,

- BEGUMPET is written as :



Hence, "DDITOOGS" is the correct answer.

5. Answer: b

Explanation:

According to the sequence in the dictionary.

1. Trimmer

3. Trinity

4. Trinket

2. Tripled

5. Triumph

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

6. Answer: b

Explanation:

The pattern followed here is : Consecutive multiple of 5 are added.



Hence, "102" is the correct answer.

7. Answer: b

Explanation:

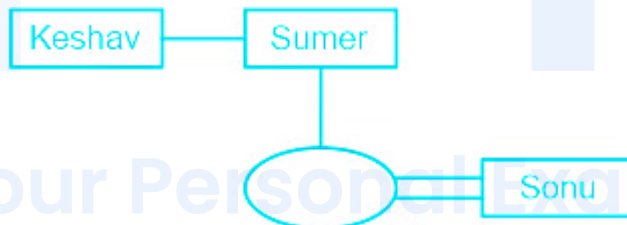
Symbol in Diagram	Meaning
○	Female
□	Male
==	Married couple
—	Siblings
	Difference of a generation

According to given conditions,

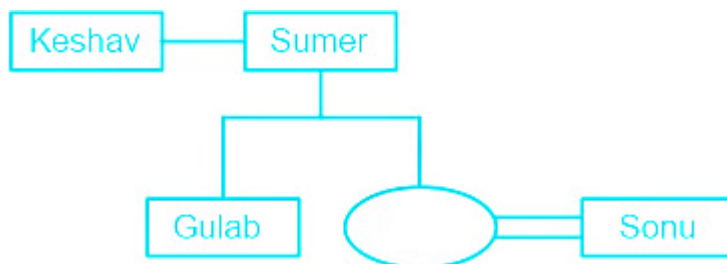
1) Keshav and Sumer are brothers.



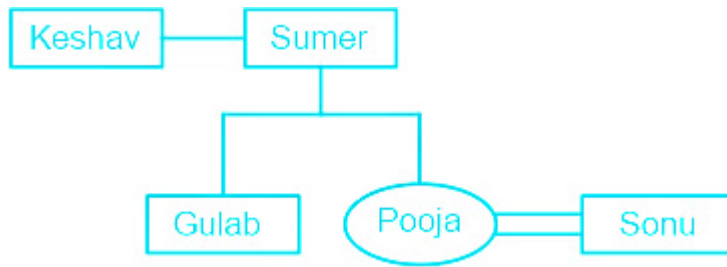
2) Sumer is the father-in-law of Sonu (male).



3) Gulab is the only nephew of Keshav.



4) Pooja is the only sister of Gulab.



Thus, according to the final family tree Pooja is the wife of Sonu.

Hence, "Wife" is the correct answer.

8. Answer: a

Explanation:

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

Given : $48 + 37 \times 5 - 36 \div 12 = 274$

So, by interchanging the number according to question :

- Option - (1) : 37 and 48

$$37 + 48 \times 5 - 36 \div 12 = 274$$

$$37 + 48 \times 5 - 3 = 274$$

$$37 + 240 - 3 = 274$$

$$277 - 3 = 274$$

$$274 = 274 \text{ (LHS = RHS)}$$

- Option - (2) : 12 and 5

$$48 + 37 \times 12 - \underline{36 \div 5} = 274$$

$$48 + \underline{37 \times 12} - 7.2 = 274$$

$$\underline{48 + 444} - 7.2 = 274$$

$$\underline{492 - 7.2} \neq 274 \text{ (LHS} \neq \text{RHS)}$$

$$484.8 \neq 274 \text{ (LHS} \neq \text{RHS)}$$

- Option - (3) : 12 and 36

$$48 + 37 \times 5 - \underline{12 \div 36} = 274$$

$$48 + \underline{37 \times 5} - 0.33 = 274$$

$$\underline{48 + 185} - 0.33 = 274$$

$$\underline{233 - 0.33} = 274$$

$$232.67 \neq 274 \text{ (LHS} \neq \text{RHS)}$$

- Option - (4) : 48 and 12

$$12 + 37 \times 5 - \underline{36 \div 48} = 274$$

$$12 + \underline{37 \times 5} - 0.75 = 274$$

$$\underline{12 + 185} - 0.75 = 274$$

$$\underline{197 - 0.75} = 274$$

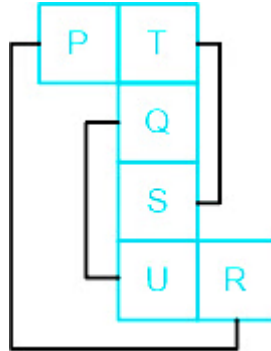
$$196.25 \neq 274 \text{ (LHS} \neq \text{RHS)}$$

Hence, "**37 and 48**" is the correct answer.

9. Answer: d

Explanation:

The faces opposite to each other are shown below:



⇒ As the alternate positions becomes opposite to each other and the remaining two faces becomes opposite to each other.

So, opposite pairs are:

- T → S
- Q → U
- P → R

Therefore,

- Option(1) → U and T ⇒ Not opposite (As U is opposite to Q and T is opposite to S)
- Option(2) → P and Q ⇒ Not opposite (As P is opposite to R and Q is opposite to U)
- Option(3) → S and R ⇒ Not opposite (As S is opposite to T and R is opposite to P)
- Option(4) → Q and U ⇒ Opposite

Hence, "Q and U " is the correct answer.

10. Answer: a

Explanation:

Given : U _ _ Q G _ X P _ _ UX _ _ G

By checking options :

1. XPUQGPQ → U XP Q G U X PQG UX PQ G → (It follows the pattern of : UXPQG - UXPQG - UXPQG)
2. XQPGUPQ → U XP Q G U X P QG UX PQ G → (It doesn't Follows the pattern)
3. XPQUQGP → U XP Q G U X P QG UX PQ G → (It doesn't Follows the pattern)
4. QPXUGQP → U XP Q G U X P QG UX PQ G → (It doesn't Follows the pattern)

⇒ Option - (1) gives the pattern of " U XP Q G - U X P QG - UX PQ G "

Hence, "XPUQGPQ" is the correct answer.

11. Answer: b

Explanation:

The logic followed here is:

- **Axe** is a tool used for **woodcutting**.

Similarly,

- **Sieve** is a utensil used to **filter** .

Hence, the correct answer is "**Filter**" .

★ Additional Information

1. Flame - It is a hot glowing body of ignited gas that is generated by something on fire.
2. **Filter**- It is a process or assess (Items) in order to reject or remove those that are unwanted.
3. Grind - To reduce (something) to small particles or powder by crushing it.
4. Hold - Keep or sustain in a specified position.

12. Answer: c

Explanation:

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



Detailed Explanation:

- The line PQ is the mirror
- The word "EMPHASIS" the mirror is placed vertically instead of horizontally ⇒ Option 1 is eliminated.
- The word " EMPHASIS " the mirror is placed vertically instead of horizontally ⇒ Option 2 is eliminated..
- The word " EMPHASIS " the fifth letter is "A". So, the mirror image should be "A" instead of "I" ⇒ Option 4 is eliminated.

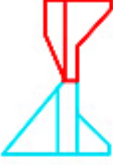







Hence, the correct answer is "Option - (3)".

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13. Answer: a

Explanation:

The image embedded in given figure is as shown below :

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

∴ Here, Option figure - (1) is not embedded in given figure.

Hence, the correct answer is "Option-(1)".

14. Answer: a

Explanation:

Given :

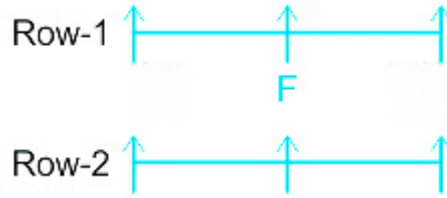
- Six friends - A, B, C, D, E and F
- They are sitting in two lines, facing the north.
- Three persons are sitting in each line.

Explanation:

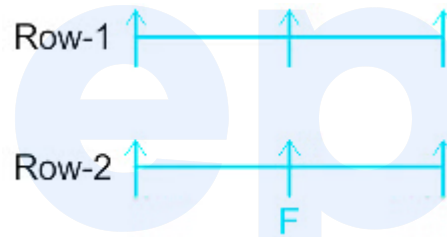
1) F is sitting in the middle

There are two possibilities of the position of F i.e F is sitting either in row - (1) or in row - (2).

- Case - (1)



- Case - (2)



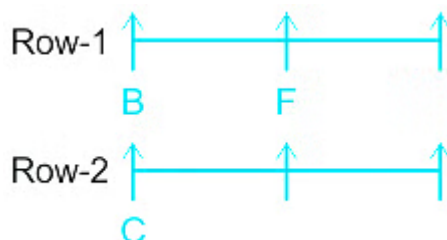
2) B is to the immediate left of F.

3) C is just behind B.

As C is just behind B, therefore C will be sitting in row - (2)

As B cannot be position in row -(1) therefore, case - (2) will be eliminated.

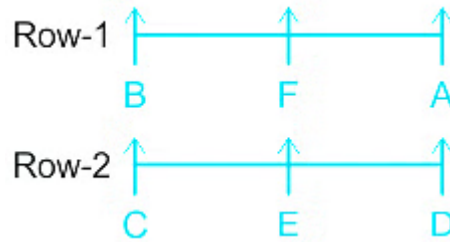
- Case - (1)



4) D is to the immediate right of E.

After positioning D and E only one position is left which will be occupied by the only person left i.e A.

- Case - (1)



Thus, according to the final arrangement 'B, F and A' and 'C, E and D' are sitting in row - (1) and row - (2) respectively.

Hence, "C, D and E" is the correct answer.

15. Answer: d

Explanation:

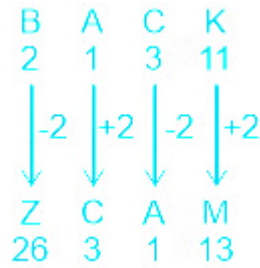
Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

Logic :

- (2) is added to each position value of the first word in alternate order starting with first letter.
- (2) is subtracted from each position value of the first word in alternate order starting with second letter.

So,

- BACK : ZCAM



Similarly,

- REAR : ?



Hence, "PGYT" is the correct answer.

16. Answer: a

Explanation:

Given : sequence - '195, 188, 181,

To find : First negative term of the given sequence.

Explanation :

The sequence - '195, 188, 181,

So,

Let 'n' be the first negative term of the sequence.

In A.P $\rightarrow T_n = a + (n - 1) d$

'n' < 0

Therefore, $a + (n - 1) d < 0$

According to the sequence :

$a = 195$ (First term)

$d = (188 - 195)$ (Common difference)

$d = (-7)$

Now, putting the values in the equation :

$a + (n - 1) d < 0$

$195 + (n - 1)(-7) < 0$

$195 - 7n + 7 < 0$

$202 - 7n < 0$

$n < 29$

Hence, "29" is the correct answer.

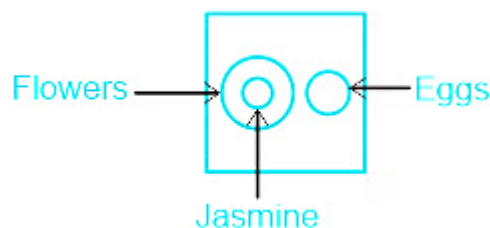
17. Answer: a

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Explanation:

The set of words that best represented by the given Venn diagram is shown below:

1) Jasmine, Flowers, Eggs - As Jasmine is one of the types of flower, there Jasmine will be inside the flowers. Eggs is food is not related to flowers or Jasmine.



2) Water, Liquid, Juice - Water and Juice are the types of liquid , therefore both water and juice will come inside the liquid \Rightarrow Option - 2 eliminated

3) Roses, Lilies, Flowers - Roses and lilies are the types of flowers, therefore both roses and lilies will come inside flowers \Rightarrow Option - 3 eliminated

4) Maize, Rice, Food - Maize and rice are the types of food, therefore both maize and rice will come inside food \Rightarrow Option - 4 eliminated

Hence, "**Jasmine, Flowers, Eggs**" is the correct answer.

18. Answer: c

Explanation:

According to given figure:

The figure will appear when it is opened as follows:



Hence, "Option - (3)" is the correct answer.

19. Answer: c

Explanation:

Logic : (Square of the second number \times 2) = First number

So,

- 72 : 6

$$(6)^2 \times 2 = 72$$

$$36 \times 2 = 72$$

$$72 = 72 \text{ (LHS = RHS)}$$

- 128 : 8

$$(8)^2 \times 2 = 128$$

$$64 \times 2 = 128$$

$$128 = 128 \text{ (LHS = RHS)}$$

Similarly,

- ? : 7

$$(7)^2 \times 2 = ?$$

$$49 \times 2 = ?$$

$$? = 98$$

Hence, "98" is the correct answer.

20. Answer: c

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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

Logic :

- (2) is subtracted from position value of each first letter.
- (2) is added to position value of each second letter.

So,

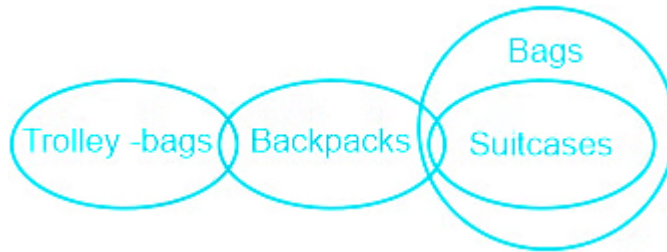


Hence, "HD" is the correct answer.

21. Answer: c

Explanation:

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



Conclusions:

I. At least some backpacks are bags → Follow (As some trolley-bags are backpacks, some backpacks are suitcases and all suitcases are bags. So, it is definitely true)

II. Some bags are suitcases → Follow (As all suitcases are bags. So, it is definitely true)

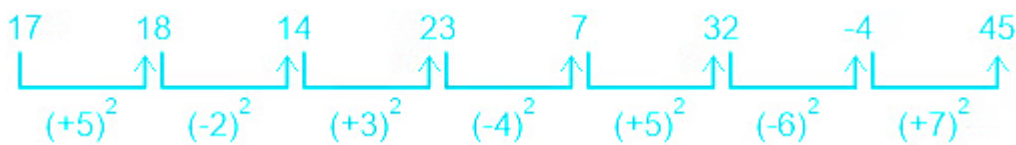
∴ Here, both, conclusion I and II follow.

Hence, the correct answer is "Both, conclusion I and II follow."

22. Answer: c

Explanation:

Logic : Square of the number in serial order is added starting with '1'.



Hence, "45" is the correct answer.

23. Answer: a

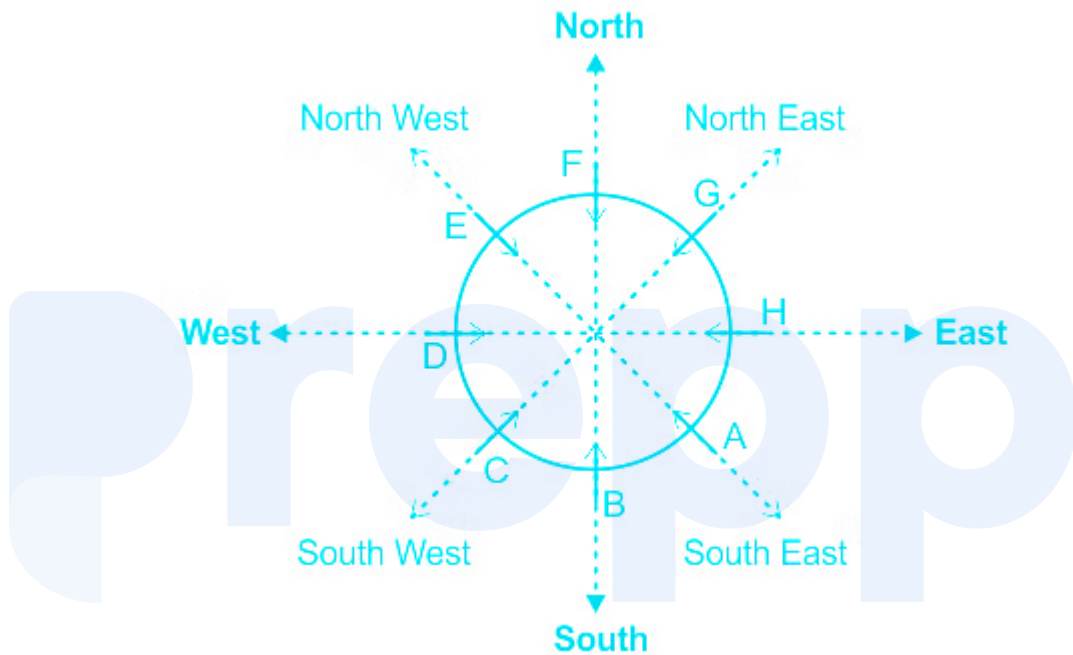
Explanation:

Given :

- Eight persons – A, B, C, D, E, F, G and H
- They are sitting clockwise around a circular table in the same sequence at equal distances between them.
- All are facing the center of the table.

Explanation :

- E is sitting in the north-west :



Thus, according to the final arrangement, G is in the South-West direction.

Hence, " South-West " is the correct answer.

24. Answer: b

Explanation:

Logic : The pattern used here is column wise

$(\text{Square of first number} + \text{Square of second number}) = \text{Square of third number}$

So,

- First column

$$(9)^2 + (12)^2 = (15)^2$$

$$81 + 144 = 225$$

$$225 = 225 \text{ (LHS = RHS)}$$

- Second column

$$(7)^2 + (24)^2 = (25)^2$$

$$49 + 576 = 625$$

$$625 = 625 \text{ (LHS = RHS)}$$

Similarly,

- Third column

$$(12)^2 + (?)^2 = (37)^2$$

$$144 + (?)^2 = 1369$$

$$(?)^2 = 1369 - 144$$

$$(?)^2 = 1225$$

$$? = 35$$

Hence, "35" is the correct answer.

25. 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

Logic : Sum of the position of each letter is equal to 42.

So,

1) MDNK

$$\begin{array}{cccc}
 M & D & N & K \\
 \downarrow & \downarrow & \downarrow & \downarrow \\
 13 & + & 4 & + & 14 & + & 11 & = & 42
 \end{array}$$

2) GBTM

$$\begin{array}{cccc}
 G & B & T & M \\
 \downarrow & \downarrow & \downarrow & \downarrow \\
 7 & + & 2 & + & 20 & + & 13 & = & 42
 \end{array}$$

3) SFHJ

$$\begin{array}{cccc}
 S & F & H & J \\
 \downarrow & \downarrow & \downarrow & \downarrow \\
 19 & + & 6 & + & 8 & + & 10 & = & 43
 \end{array}$$

4) JLQC

$$\begin{array}{cccc}
 J & L & Q & C \\
 \downarrow & \downarrow & \downarrow & \downarrow \\
 10 & + & 12 & + & 17 & + & 3 & = & 42
 \end{array}$$

Thus, the sum of position value of each letter of 'SFHJ' is 43, rest of them has sum value as 42.

Hence, "SFHJ" is the correct answer.

26. Answer: b

Explanation:

The correct answer is Punjab.

★ Key Points

- **Punjab** was the first to try out modern methods of farming during the Green Revolution in India.
 - At independence, about 75% of the country's population was dependent on agriculture.
 - The stagnation in agriculture during the colonial rule was permanently broken by the green revolution.
 - This refers to the large increase in production of food grains resulting from the use of high-yielding variety (HYV) seeds, especially for wheat and rice.
 - The use of HYV seeds required the use of fertilizer and pesticide in the correct quantities as well as a regular supply of water; the need for these inputs in correct proportions is vital.
 - The farmers who could benefit from HYV seeds required reliable irrigation facilities as well as the financial resources to purchase fertilizer and pesticides.
 - As a result, in the first phase of the green revolution (the approximately mid-1960s up to mid-1970s), the use of HYV seeds was restricted to the more affluent states such as Punjab, Andhra Pradesh, and Tamil Nadu.
 - Further, the use of HYV seeds primarily benefited the wheat-growing regions only.

★ Additional Information

- The Green Revolution was an endeavour initiated by Norman Borlaug in the 1960s.
 - He is known as the 'Father of Green Revolution in the world .
 - In India, the Green Revolution was mainly led by M.S. Swaminathan.
 - For introducing high-yielding varieties of rice and wheat to increase food production in order to alleviate hunger and poverty.
 - The Green Revolution was a period when agriculture in India was converted into an industrial system and was a change in crop pattern.
- White Revolution was started to make India self-dependent in milk production .
 - The master brain behind the white revolution in India was Dr Verghese Kurien .
 - Verghese Kurien is well known as the milkman of India .
 - Operation flood is the code name given to the white revolution.
- The ' Brown Revolution ' is focused on giving emphasis to an increase in the production of raw leather.
 - Hiralal Chaudri is considered the father of the Brown Revolution.
 - The Brown Revolution is related to Visakhapatnam's tribal areas.
- Yellow revolution is related to Oil seeds like mustard, groundnuts sesame, etc.
 - Sam Pitroda is credited for the Yellow revolution.
 - It also resulted in a sudden increase in the production of edible oil due to the production of Hybrid oil seeds.
 - The Yellow revolution started in the year 1986-87.

27. Answer: c

Explanation:

The correct answer is Crystal Award.

★ Key Points

- Crystal Award is given by World Economic Forum to artists who have used their art to improve the state of the world.

- The Crystal Awards celebrate the **achievements of leading artists and cultural figures whose leadership inspires inclusive and sustainable change.**
- Crystal Awards conferred for the achievements of leading artists and cultural figures whose leadership inspires inclusive and sustainable change.
- Theaster Gates, Jin Xing, and Lynette Wallworth named as 2020 Crystal Award recipients apart from Indian **Deepika Padukone.**
- Theaster Gates, Chicago, gets the award for his leadership in creating sustainable communities.
- Jin Xing, China, gets the award for her leadership in shaping inclusive cultural norms.
- Lynette Wallworth, Australia, gets the award for her leadership in creating inclusive narratives.

★ Additional Information

- **The World Economic Forum (WEF)**, based in Geneva, Switzerland, is an international NGO, founded on 24 January 1971.
- The WEF hosts an annual meeting at the end of January in Davos in the eastern Alps region of Switzerland.
- The reports released by WEF
- **Global Competitiveness Report**
 - The Global Information Technology Report
 - The Global Gender Gap Report
 - The Global Risks Report
 - The Global Travel and Tourism Report
 - The Financial Development Report
 - The Global Enabling Trade Report

28. Answer: b

Explanation:

The correct answer is Chemistry.

★ Key Points

- Jennifer A Doudna and Emmanuelle Charpentier were awarded the Nobel Prize in Chemistry 2020 for their exemplary work in genome editing .
- Genome editing is the technology that allows the addition, alteration and removal of genetic material at particular locations in the genome.
- Specific changes in the DNA of a cell or organism are made.
- Clustered Regularly Interspaced Short Palindromic Repeats(CRISPR) technology is a gene-editing technology that can be used for the purpose of changing the genome of an Organism.

★ Additional Information

Nobel Prize Winners 2020

Field	Name
Medicine/ Physiology	Harvey J. Alter, Charles M. Rice, and Michael Houghton
Physics	1. Roger Penrose 2. Reinhard Genzel and Andrea Ghez
Chemistry	Emmanuelle Charpentier and Jennifer A. Doudna
Literature	Louise Glück
Peace	World Food Programme (WFP)
Economics	Paul Milgrom and Robert Wilson

29. Answer: d

Explanation:

The correct answer is 1765.

★ Key Points

- In 1765 the Mughal Emperor Shah Alam II appointed the English East India Company as the Diwan of the province of Bengal.
- Shah Alam II agreed to:
 - Reside at Allahabad, to be ceded to him by the Nawab of Awadh, under the Company's protection.
 - Issue a Farman granting the Diwani of Bengal, Bihar and Orissa to the East India Company in lieu of an annual payment of Rs 26 lakh.
 - A provision of Rs 53 lakh to the Company in return for Nizamat functions (military defence, police, and administration of justice) of the said provinces.
- Robert Clive did not want to annex Awadh because it would have placed the Company under an obligation to protect an extensive land frontier from the Afghan and the Maratha invasions.

★ Additional Information

- The Treaty of Allahabad, 1765:
 - Robert Clive concluded two important treaties at Allahabad in August 1765
 - With the Nawab of Awadh and,
 - With the Mughal Emperor, Shah Alam II.

30. Answer: d

Explanation:

The correct answer is 16.

★ Key Points

Census of 2021

- It will be the 16th Census of India and the 8th Census of Independent India .
- The theme of Census 2021 is “ Jan Bhagidari se Jan Kalyan ”.
- Census 2021 will be completely paperless and the process of collection and classification of population data will be completely digital .
- A mobile app issued by the government will be used in the process of the census.
- Information can be given in 16 languages through this app, this information will be verified by senior officials.
- The census work will be completed in two phases across the country.

Thus the correct answer is 16.

★ Additional Information

Census of India

- Census is conducted every 10 years in India.
- The first nationwide census was conducted in India in the year 1872 under British rule during the tenure of Lord Mayo .
- The Census of India is the largest project of its kind in the world.
- For the first time after independence, the caste census was conducted in the year 2011 .

31. **Answer: b**

Explanation:

The correct answer is National income.

★ Key Points

- National Income is the total monetary value of goods and services produced within the territory of the country in a given period of time.
- National Income = $C+I+G+(X-M)$

Here,

C stands for Consumption

I stands for Total Investment

G stands for Total Government Expenditure

X stands for Export

M stands for Import

★ Additional Information

Methods of calculating National Income

Income Method	It is measured by adding four factors of production i.e. land, labour, capital, and entrepreneurship.
Production Method	It is also known as Value Added Method. In this national income is measured on the value of intermediate goods and final goods.
Expenditure Method	It is also known as Income Disposal Method. In this method, national income is measured by taking the final expenditure incurred by all sectors of the economy.

32. Answer: a

Explanation:

The correct answer is Speaker of the Lok Sabha.

★ Key Points

- **A Bill is said to be a Money Bill** if it only contains provisions related to taxation, borrowing of money by the government, expenditure from or receipt to the Consolidated Fund of India.
- **Speaker of the Lok Sabha** decides whether a particular bill is a Money Bill or not.

★ Additional Information

Procedures of a Money Bill:

- Money Bills can be introduced only in Lok Sabha.
- Money bills passed by the Lok Sabha are sent to the Rajya Sabha . The Rajya Sabha may not amend money bills but can recommend amendments. A money bill must be returned to the Lok Sabha within 14 days, or the bill is deemed to have passed both houses in the form it was originally passed by the Lok Sabha.
- When a Money Bill is returned to the Lok Sabha with the recommended amendments of the Rajya Sabha, it is open to the Lok Sabha to accept or reject any or all of the recommendations.
- A money bill is deemed to have passed both houses with any recommended amendments the Lok Sabha chooses to accept, and without any that it chooses to decline.
- The definition of "Money Bill" is given in Article 110 of The Constitution of India . A financial bill is not a Money Bill unless it fulfills the requirements of Article 110.
- The Speaker of the Lok Sabha certifies if a financial bill is a Money Bill or not.

33. Answer: d

Explanation:

The correct answer is bamboo.

★ Key Points

- **The Indian Forest (Amendment) Bill, 2017** amends this definition of the tree and removes the word **bamboo**.

- Since bamboo is defined as a tree under the Act, its inter-state movement requires permits when in transit in other states. Consequent to the amendment, felling or transportation of bamboos growing in non-forest areas will not require any permits.
- The government has called Bamboo 'Green Gold' and announced the launch of the Rs.1290- crore Restructured National Bamboo Mission, which is based on a cluster-based approach to address the complete bamboo value chain and promote the bamboo sector in a holistic manner.

★ **Additional Information**

- The Indian Forest (Amendment) Bill, 2017 was introduced in Lok Sabha by the Minister of Environment, Forest, and Climate Change on December 18, 2017.
- The Bills replaces the Indian Forest (Amendment) Ordinance, 2017 and amends the Indian Forest Act, 1927.
- The Act consolidates laws relating to forests, the transit of forest produce, and the duty to be levied on them.
- Under the Act, the definition of tree includes palms, bamboos, stumps, brush-wood, and canes.

34. Answer: b

Explanation:

The correct answer is Tibetan Independence Movement.

★ **Key Points**

- Bhaichung Bhutia is also known as the Sikkimese Sniper.
 - He is a former Indian national footballer and is considered the epitome of the rise of Indian football.
 - He was born on 15 December 1976 in Tinkitam, Sikkim, and played as a striker all his career.
 - Bhutia is known for his powerful shots and his pinpoint accuracy in front of the goal.

- His hunger for goals and his passion for the game made him the father figure of Indian football.
- Bhaichung has also captained the national side and currently plays the role of manager at the Sikkim state football club.
- Bhutia has represented the following teams - **India, East Bengal, JCT Mills, Bury, Mohun Bagan, Perak FA, Selangor MK Land, and United Sikkim.**
- Bhaichung Bhutia made his club professional debut in 1993 for Calcutta-based East Bengal where he would make nine appearances, scoring 4 goals in the league.
- In 2008, He had refused to carry the Olympic torch to show support and solidarity for the people of Tibet and their struggle.

★ Additional Information

- Sandesh Jhingan has been named the AIFF men's Footballer of the Year .
- **Subrata Paul** is an Indian professional footballer who plays as a goalkeeper for Indian Super League club ATK Mohun Bagan, on loan from Hyderabad.
- Sunil Chhetri , captain of the Indian football team, is one of the most active goal scorers in the country .
 - He is the leading goal scorer in international football for India as well as in domestic football tournaments.
 - Sunil Chhetri appeared in 54 international matches for India so far and has scored 41 goals which is almost half of his total goals tally (84)

35. Answer: c

Explanation:

The correct answer is Mohenjo-daro.

★ Key Points

- The Great Bath was excavated from Mohenjo-Daro .
- **Rakhigarhi** is the **largest Harappan site** in the Indian subcontinent.
- The Great Bath was the largest building of Harappan Civilisation (also known as Indus Civilisation).

- It shows the importance of ritualistic bathing.
- There is no leakage or cracks in the construction of 'The Great Bath'.
- It reflects the cleanliness of this culture.
- In addition to this, Great Granary, Assembly Hall, etc. were also excavated.
- The excavators were Rakhil Das Bannerji (1922), Mackay (1927) & Wheeler (1930).

★ Additional Information

- Indus Valley Civilization:
 - It was one of the major civilizations of the ancient river valley civilizations of the world.
 - It is also known as Harappan Civilization and Indus-Saraswati Civilization.
 - It developed on the banks of the Indus and Ghaggar/Hakra (ancient Saraswati).
 - Mohenjodaro, Kalibanga, Lothal, Dholavira, Rakhigarhi, and Harappa were its main centers.

36. Answer: c

Explanation:

The correct answer is the Moon.

★ Key Points

- Moon is the Non-Luminous body.
- Moon does not produce its own light and shines in the light reflected from the sun.
- The Luminous Body is an object which emits its own light and shines as a result of it.

★ Additional Information

- A luminous object is one that has its own light.

- While a non-luminous object reflects the light from a luminous body and thus shines.
 - Sun is luminous body.
 - Sun is a star in which the source of heat and light are the nuclear fusion reactions.
 - The isotopes of hydrogen combine to form a helium nucleus which releases a huge amount of energy.
-

37. Answer: d

Explanation:

The correct answer is Piyush Goyal.

★ Key Points

- The G20 summit, which concluded on 31 October 2021, has adopted Rome Declaration.
- The member countries have agreed on mutual recognition of vaccines, strengthening of WHO to give faster approvals to vaccines, and suspending debt servicing for developing countries till December 2021.
- Union Minister Piyush Goyal was India's G20 Sherpa.

★ Additional Information

- G20:
 - The G20 or Group of Twenty is an intergovernmental forum comprising 19 countries and the European Union.
 - It works to address major issues related to the global economy, such as international financial stability, climate change mitigation, and sustainable development.
 - The members of the G20 are:
 - Argentina.
 - Australia.
 - Brazil.
 - Canada.

- China.
- France.
- Germany.
- India.
- Indonesia.
- Italy.
- Japan.
- Republic of Korea.
- Mexico.
- Russia.
- Saudi Arabia.
- South Africa.
- Turkey.
- United Kingdom.
- United States.
- European Union.

38. Answer: d

Explanation:

The correct answer is Rajasthan.

★ Key Points

- Rajasthan has the largest inland saline wetland .
- Sambhar Lake in Rajasthan is India's largest inland saline wetland system.
 - It is located in Sambhar Lake-town near Ajmer.
 - The lake has been designated as a Ramsar site.
 - The lake has a catchment area of 5700 sq. km and receives water from five rivers:
 - Medta,
 - Samaod,
 - Mantha,
 - Rupangarh,

- Khari, and
- Khandela.

★ Additional Information

- A wetland is a distinct ecosystem that is flooded by water, either **permanently (for years or decades) or seasonally (for weeks or months)**.
 - Flooding results in oxygen-free (anoxic) processes prevailing, especially in the soils.
 - The primary factor that distinguishes wetlands from terrestrial land forms or water bodies is the characteristic vegetation of aquatic plants, adapted to the unique anoxic hydric soils.
 - Wetlands are considered among the most biologically diverse of all ecosystems, serving as home to a wide range of plant and animal species.
 - Methods for assessing wetland functions, wetland ecological health, and general wetland condition have been developed for many regions of the world.

39. Answer: a

Explanation:

The correct answer is Sunrisers Hyderabad.

★ Key Points

- Afghan cricketer Rashid Khan played for **Sunrisers Hyderabad** in the Indian Premier League (IPL) 2021.
- At 19 years of age, Afghanistan leg-spinner **Rashid Khan** became the youngest captain in the history of international cricket.
- Rashid is also the youngest player to be ranked No.1 in the ICC's Player Rankings across formats.

★ Additional Information

- **Sunrisers Hyderabad** has won the IPL trophy so far only once i.e in the 2016 IPL season.
- 2016 IPL final was held between Sunrisers Hyderabad and Royal Challengers Bangalore at M. Chinnaswamy Stadium.
- The earlier name of the franchise was Deccan Chargers and they won the trophy in 2009.

40. Answer: b

Explanation:

The correct answer is Sodium hydrogen carbonate.

★ Key Points

- The common name of sodium hydrogen carbonate is Baking soda.
 - It is also called Sodium bicarbonate (NaHCO_3).
 - It is used as a leavening agent, fungicide, pest control, mild disinfectant, fire extinguisher, neutralization of acids, and Cleaning agent, etc.

★ Additional Information

- **Sodium Benzoate** is a white odorless crystalline powder used to preserve tomato ketchup.
 - It is also widely used in acidic foods like pickles, carbonate drinks, condiments, jams, and fruit juices.
 - It is made by adding benzoic acid and sodium hydroxide.
 - Benzoic acid is a natural preservative found in plants like tomato, clove, berry, apple, and cinnamon.
 - The chemical formula of Sodium Benzoate is $\text{C}_7\text{H}_5\text{NaO}_2$.
- **Benzoic acid**, in the form of sodium benzoate, is a widely used food preservative suitable for acid foods.
 - It delays the fermentation of the juices.
 - In the long run, benzoic acid may darken the product.
 - It is commonly used in products which are having natural colors such as anthocyanin pigment.

- **Sodium metabisulphite** is used as an antioxidant agent in many pharmaceutical formulations.
 - It is extensively used as a **food preservative and disinfectant**.
 - It has been demonstrated that sulphite exposure can affect some organs.
-

41. **Answer: a**

Explanation:

The correct answer is Saudi Arabia.

★ Key Points

- The G20 Foreign Ministers' Extraordinary Meeting was convened by the current G20 Chair, the Kingdom of **Saudi Arabia** on **3rd September, 2020**.
- Minister of Foreign Affairs of Kingdom of Saudi Arabia, **His Highness Prince Faisal Bin Farhan Al-Saud**, chaired the meeting. EAM **Dr. S. Jaishankar** represented India.

★ Additional Information

- The G20 or Group of Twenty is an intergovernmental forum comprising 19 countries and the European Union.
 - It works to address major issues related to the global economy, such as international financial stability, climate change mitigation, and sustainable development.
 - As of 2022, there are 20 members in the group: Argentina, Australia, Brazil, Canada, China, France, Germany, India, Indonesia, Italy, South Korea, Japan, Mexico, Russia, Saudi Arabia, South Africa, Turkey, the United Kingdom, the United States, and the European Union.
 - The G20:
 - Founder: G-7 countries
 - Founded: 26 September 1999
-

42. Answer: c

Explanation:

The correct answer is Rose.

★ Key Points

- Roses are **dicotyledon or dicots** as they have two cotyledons, the first seed leaf, which is present in the embryo.
- Other characteristics are reticulate venation in leaves, monocots generally have parallel venation.
- The cotyledons act as a food store in plant seeds.
- Cotyledons are often fleshy and full of reserve food materials.
- Based on the number of cotyledons vascular plants can be classified as Monocot and Dicot.
- Cot word represents the cotyledons, which means an embryonic leaf

★ Additional Information

- Two different types of cotyledon are Monocotyledons and Dicotyledons.
- Monocot-
 - Monocotyledons are the angiosperms or the flowering plants in which the seeds typically contain only one embryonic leaf or Cotyledon.
 - Example- Ginger, onions, wheat, and grass .
- Dicot-
 - Dicotyledons are the angiosperms or the flowering plants in which the seeds contain two embryonic leaves or cotyledons.
 - Example- All legumes including beans, lentils, pea, rose and peanuts

43. Answer: c

Explanation:

The correct answer is **Nag**.

★ **Key Points**

- DRDO successfully conducted the final trial of **Nag missile** anti-tank guided missile in Pokhran range in October 2020.
- The Nag missile, also called "Prospina" for the land-attack version, is an Indian third-generation, all-weather, fire-and-forget, lock-on after launch, anti-tank guided missile (ATGM) with an operational range of 500 m to 20 km.
- It has a single-shot hit probability of 90% and a ten-year, maintenance-free shelf life.

★ **Additional Information**

- The Nag has five variants under development: a land version, for a mast-mounted system;
 - The helicopter-launched Nag (HELINA) also known as Dhruvastra;
 - A "man-portable" version (MPATGM);
 - An air-launched version which will replace the current imaging infra-red (IIR) to millimetric-wave (mmW) active radar homing seeker
 - The Nag Missile Carrier (NAMICA) "tank buster"
- Development of the Nag is part of the Integrated Guided Missile Development Program (IGMDP), run by Defence Research and Development Organisation (DRDO).
- It is manufactured by Bharat Dynamics Limited (BDL).
- The Man-Portable Anti-tank Guided Missile (MP-ATGM) is an Indian-made third-generation anti-tank guided missile derived from the Nag missile. Recently Drdo confirmed its production to start in 2021.

44. Answer: b

Explanation:

The correct answer is **Gonds**.

★ **Important Points**

- **Rani Durgawati**, who ruled over on behalf of her five-year-old son **Bir Narain** belonged to **Gonds** .
- Rani Durgawati was a Chandel princess .
- She was the daughter of the king of Chandel Keerat Rai .
- She was married to Dalpat Shah , the eldest son of the king of Gondwana kingdom, Sangram Shah in 1542.
- Dalpat Shah died in 1550. She was the ruling Queen of Gondwana from 1550 to 1564.
- Durgawati moved the capital of Gondwana from Singorgarh fort to Chauragarh.
- She killed herself on the battlefield on 24 June 1564.
- Her martyrdom day (24 June 1564) is commemorated as "Balidan Diwas".

★ Additional Information

- Gond is one of the largest tribes in India .
- Gonds are found in Madhya Pradesh, Maharashtra, Chhattisgarh, Uttar Pradesh, Telangana, Andhra Pradesh, Bihar, and Odisha .
- Gonds worship a high god known as Baradeo , whose alternate names are Budha Dev, Thakur Dev, Dulha Dev , Sri Shambu Mahadeo, etc.
- Gond women from Chattisgarh perform the Sua dance which is performed after Diwali to honor Shiva and Parvati.

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45. **Answer: b**

Explanation:

The correct answer is 10 lakhs and 1 crore.

★ Important Points

- 'Stand-up India' Scheme's purpose is To encourage entrepreneurship among the SC/STs and women entrepreneurs.
 - Stand up India is one of the core parts of the Start-up India scheme in order to encourage individuals to bring their ideas to life.

- The Stand up India scheme aims at promoting entrepreneurship among women and scheduled castes and tribes.
- The scheme is anchored by Department of Financial Services (DFS), Ministry of Finance, Government of India.
- Stand-Up India Scheme facilitates bank loans between Rs 10 lakh and Rs 1 Crore to at least one Scheduled Caste (SC) or Scheduled Tribe (ST) borrower and at least one woman borrower per bank branch for setting up a greenfield enterprise.

46. Answer: a

Explanation:

The correct answer is Ghana Vadya.

★ Key Points

- Ghana Vadya or Idiophones/Solid instruments which do not require tuning-
- The earliest instruments invented by man are said to be the Ghana Vadya .
- Once constructed, this variety of instrument do not need special tuning prior to playing.
- They are principally rhythmic in function and are best suited as accompaniment to folk and tribal music and dance.
- E.g - Jal Tarang, Ghatam etc

★ Additional Information

- Instruments have been listed below.
- Avanaddha Vadya or Membranophones/Percussion instruments -
 - In the Avanaddha Vadya category of instruments, the sound is produced by striking the animal skin which has been stretched across an earthen or metal pot or a wooden barrel or frame.
 - E.g - Tabla, Mridangam, Nagara, Damaru etc.
- Sushira Vadya or Aerophones/Wind instruments -
 - In the Sushira Vadya group, the sound is produced by blowing air into a hollow column.

- The pitch of the note is determined by controlling the air passage and the melody is played by using the fingers to open and close the instrument.
- E.g - Flutes, Shehnai, Nadaswaram, etc.
- Tata Vadya or Chordophones/Stringed instruments -
 - The tata vadya is a category of instruments in which sound is produced by the vibration of a string or chord.
 - These vibrations are caused by plucking or by bowing on the string which has been pulled taut.
 - E.g - Veena, Sitar, Sarangi etc.

47. Answer: a

Explanation:

The correct answer is Arabic was the language of administration under the Delhi Sultans.

★ Important Points

- **Persian** was the language of administration under the Delhi Sultans.
 - **Tarikh and Tawarikh**, sources of information on Delhi Sultans, were written in Persian.
 - It was also the language for administration.
 - **Turkish rulers** who ascended the throne of Delhi made the Persian language popular.
- **Hence statement 1 is INCORRECT.**
- Delhi first became the capital of a kingdom under the Tomara Rajputs, who were defeated in the middle of the twelfth century by the Chauhans (also referred to as Chahamanas) of Ajmer.
 - It was under the Tomaras and Chauhans that Delhi became an important commercial centre.
 - Many rich Jaina merchants lived in the city and constructed several temples.
 - Coins minted here, called Dehliwal, had a wide circulation.

- Hence statement 2 and 3 is CORRECT.
- Qutb al-Din Aibak ruled over Delhi from 1206 – 1210.
 - Time period: 1206–1210
 - He was the slave of Muhammad Gori.
 - He was the founder of the Slave dynasty.
 - He constructed Quwwat Ul Islam Masjid in Delhi and Adhai Din Ka Jhonpra in Ajmer.
- Hence statement 4 is CORRECT.

48. Answer: a

Explanation:

The correct answer is **Five**.

★ **Key Point**

- **Five sportspersons** won the Rajiv Gandhi Khel Ratna Award in 2020.
- **Winners in 2020:**
 - Wrestler Vinesh Phogat
 - Women's hockey captain Rani Rampal
 - Table tennis star Manika Batra
 - Para-athlete Mariyappan Thangavelu
 - Batsman Rohit Sharma
- 12 sportspersons will be honoured with the Major Dhyan Chand Khel Ratna Award (former Rajiv Gandhi Khel Ratna) 2021.

★ **Additional Information**

- **Rajiv Gandhi Khel Ratna Award:** It is the highest sporting award of the Republic of India.
 - It was named after former prime minister Rajiv Gandhi.
 - It was given by the Ministry of Youth Affairs and Sports for the spectacular and most outstanding performance in the field of sports by a sportsperson over a period of four years.
 - The award comprises of Medallion and Cash prize of 25 lakh rupees.

- Award was instituted in 1991–92 .
- First awardee: Viswanath Anand.

49. Answer: c

Explanation:

The correct answer is Mahabalipuram, Tamil Nadu.

★ Key Points

- A monument called Descent of the Ganges, also referred to as Arjuna's Penance locally may be found in the Indian state of Tamil Nadu's Chengalpattu district in **Mahabalipuram** on the Coromandel Coast of the Bay of Bengal.
- Arjuna's Penance, a mammoth architecture with finely carved rock sculptures, serves as a venue for the Mamallapuram Dance Festival, in the backdrop of the Bay of Bengal .
- It is a massive open-air rock relief that is 96 by 43 feet (29 by 13 metres) in size and carved onto two monolithic rock boulders .
- The legend illustrated in the relief tells the tale of Bhagiratha leading the sacred river Ganges as it descended from the sky to the land .
- Stone carvings at the Pallava historic site depict the Ganges' descent and Arjuna's penance .

★ Additional Information

- Mahabalipuram was registered under UNESCO Heritage Site in 1984.
 - A World Heritage Site is a landmark or area with legal protection by an international convention administered by the United Nations Educational, Scientific and Cultural Organization (UNESCO).
 - World Heritage Sites are designated by UNESCO to be of cultural, historical, scientific, or any other type of importance.
 - As of July 2021, a total of 1,154 World Heritage sites are located in 167 State Parties (countries that adhere to the World Heritage Convention, including

non-member states of the Holy See), of which 897 are cultural, 218 are natural. And there are 39 mixed properties.

50. Answer: b

Explanation:

The correct answer is slash and burn.

★ Key Points

- Shifting cultivation is an agricultural practice in which a piece of land is farmed on, only to be abandoned later after initial use.
- It is prohibited in India as shifting cultivation was believed to be responsible for the alarming rate of deforestation of Indian forests.
- Shifting cultivation, also referred to as Jhum or slash-and-burn cultivation.

★ Additional Information

- Shifting cultivation is called as
 - Roca in Brazil
 - Jhumming in India
 - Ladang in Indonesia and Malaysia
 - Milpa in Central America and Mexico

51. Answer: a

Explanation:

Given:

$$\Rightarrow \frac{3 \text{ of } 5\frac{1}{2} + 6 \div 5 - 2 \text{ of } 3 \div 4}{1 + \frac{3}{1+\frac{1}{4}} \text{ of } 5 - 3\frac{1}{3} \text{ of } 2 \div 5}$$

Formula used:

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

Calculation:

$$\Rightarrow \frac{3 \text{ of } \frac{11}{2} + 6 \div 5 - 2 \text{ of } 3 \div 4}{1 + \frac{3}{1+\frac{1}{4}} \text{ of } 5 - 3 \frac{1}{3} \text{ of } 2 \div 5}$$

$$\Rightarrow \frac{\frac{33}{2} + \frac{6}{5} - \frac{3}{2}}{13 - \frac{4}{3}}$$

$$\Rightarrow \frac{\frac{162}{10}}{\frac{35}{3}}$$

$$\Rightarrow \frac{243}{175}$$

52. Answer: a

Explanation:

Given:

The average of 19 numbers is 58

The average of the first 12 numbers is 63.6

And the average of the last 8 numbers is 55.1

Formula used:

Average = (Sum of all observations) / (Total number of observations)

Calculation:

The average of 19 numbers is 58

$$\text{Sum of 19 numbers} = 19 \times 58 = 1102$$

The average of the first 12 numbers is 63.6

$$\text{Sum of first 12 numbers} = 12 \times 63.6 = 763.2$$

And the average of the last 8 numbers is 55.1

$$\text{Sum of last 8 numbers} = 8 \times 55.1 = 440.8$$

$$\Rightarrow 12^{\text{th}} \text{ number} = \{(763.2 + 440.8) - 1102\} = 102$$

According to the question

The 12th number from the beginning is excluded.

$$\text{The sum of the remaining numbers} = 1102 - 102 = 1000$$

$$\text{The average of the } 18^{\text{th}} \text{ remaining numbers} = \frac{1000}{18} = \frac{500}{9} = 55\frac{5}{9}$$

\therefore The average of the 18th remaining number is $55\frac{5}{9}$

53. Answer: c

Explanation:

Given:

The Numbers 341, 434, and 620

Their HCF is x

Concept used:

The full form of HCF in Maths is the Highest Common Factor.

HCF of two or more numbers is the greatest factor that divides the numbers.

For example:

$$4 = 2 \times 2$$

$$6 = 2 \times 3$$

⇒ 2 is the HCF of 4 and 6.

Calculation:

Prime factorization of the numbers are:

$$341 = 11 \times 31$$

$$434 = 2 \times 7 \times 31$$

$$\text{And } 620 = 2^2 \times 5 \times 31$$

So, HCF = 31

∴ $x = 31$ and it lies between 30 and 35.

54. Answer: d

Explanation:

Given:

The ratio 350 mL solution of alcohol and water is 4 : 3

After adding water ratio becomes 5: 6

Calculation:

Let the quantity of alcohol and water be $4x$ and $3x$ respectively

According to the statement,

$$4x + 3x = 350$$

$$\Rightarrow 7x = 350$$

$$\Rightarrow x = 50$$

Thus, the quantity of alcohol = $4x = 4 \times 50 = 200$ mL

And, the quantity of water = $3x = 3 \times 50 = 150$ mL

If 'a' mL of water is mixed into the solution then the ratio becomes 5: 6

$$\Rightarrow 200/(150 + a) = 5/6$$

$$\Rightarrow 1200 = 750 + 5a$$

$$\Rightarrow 5a = 450$$

$$\Rightarrow a = 90$$

\therefore 90 mL of water is mixed with the solution.

★ Alternate Method

The initial ratio of alcohol and water is 4 : 3

The final ratio of alcohol and water is 5: 6

If only water is added to the solution, the quantity of alcohol will not change

So, equating alcohol in the ratios

$$4 : 3 \times 5 = 20 : 15$$

$$5 : 6 \times 4 = 20 : 24$$

Initially total quantity is $(20 + 15) = 35 \longrightarrow 350$ mL

Increased quantity of water $(24 - 15) = 9 \longrightarrow 90$ mL

\therefore The correct answer is 90 mL

55. Answer: d

Explanation:

Given:

Rate, $r = 6.4\%$

Time, $t_1 = 3\frac{3}{4}$ years = $\frac{15}{4}$ years

Time, $t_2 = 6\frac{1}{4}$ years = $\frac{25}{4}$ years

Simple interest = Rs. 1896

Formula used:

Simple interest = $(P \times r \times t) / 100$

Amount = Principal + S.I

Calculation:

Simple interest = $(P \times r \times t) / 100$

$$\Rightarrow 1896 = \frac{(P \times 6.4 \times 15)}{(4 \times 100)}$$

$$\Rightarrow P = \frac{(1896 \times 4 \times 100)}{(6.4 \times 15)} = \text{Rs. } 7900$$

Simple interest on the same rate in $6\frac{1}{4}$ years.

Simple interest = $(P \times r \times t) / 100$

$$\Rightarrow \text{S.I} = \frac{(7900 \times 6.4 \times 25)}{(4 \times 100)} = \text{Rs. } 3160$$

Amount = Principal + S.I

$$\Rightarrow (7900 + 3160) = \text{Rs. } 11060$$

\therefore The amount is Rs. 11060

56. Answer: d

Explanation:

Given:

Reshma expenditure = 84%

Increase in income = 30%

Increase in savings = 40%

Formula used:

Income = Expenditure + Savings

Calculation:

Let Reshma's income be Rs.100

⇒ Expenditure of Reshma = Rs.84

Savings of Reshma = Rs.16

According to the question,

Increased income of Reshma = Rs.130

Increased savings of Reshma = Rs.22.4

Increased expenditure of Reshma = Rs.107.6

⇒ Increase in expenditure = $(107.6 - 84)/84 \times 100$

⇒ 28.1% (approx)

∴ The correct answer is **28.1%**.

57. Answer: b

Explanation:

Given:

The average score of 35 students = 46

Wrong entries = 33, 33, 30

Correct entries = 23, 23, 36

Formula used:

Average = Sum of all the terms/Total number of terms

Calculation:

Sum of scores of 35 students = 46×35

$\Rightarrow 1610$

Sum of wrong entries = $33 + 33 + 30$

$\Rightarrow 96$

$\Rightarrow 1610 - 96 = 1514$

Actual score of class = $1514 + 23 + 23 + 36$

$\Rightarrow 1596$

Actual average score = $1596/35$

$\Rightarrow 45.6$

\therefore The correct answer is 45.6.

58. Answer: b

Explanation:

Given:

Marked price, 35% more than cost price

Discount = 5%

Formula used:

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

Calculation:

Let CP = 100

Marked price = 135

$$SP = 135 - (135 \times 5)/100$$

$$SP = 128.25$$

$$P\% = \frac{(128.25 - 100) \times 100}{(100)}$$

$$\therefore P\% = 28.25\%$$

59. Answer: d

Explanation:

Given:-

Copper : Zinc = 5:4

$Q_Z = 20$ kg, where Q = Quantity

Concept used:-

Unitary Method-

Copper : Zinc = $Q_C : Q_Z$

Calculation:-

According to question-

$$\Rightarrow 5 : 4 = Q_C : 20$$

$$\Rightarrow 4Q_C = 20 \times 5$$

$$\Rightarrow Q_C = 100/4$$

$$\Rightarrow Q_C = 25 \text{ kg}$$

\therefore Quantity of copper is 25Kg.

60. Answer: c

Explanation:

Given:

Numbers:- 34, 38, 85, 95

Concept used:

Average = sum of all observation/ total number of observations

Calculation:

Prime factor of

$$\Rightarrow 34 = 2 \times 17$$

$$\Rightarrow 38 = 2 \times 19$$

$$\Rightarrow 85 = 5 \times 17$$

$$\Rightarrow 95 = 5 \times 19$$

LCM of 34, 38, 85, 95 = 3230

$$\text{Average} = (34 + 38 + 85 + 95)/4$$

⇒ 63

According to question,

⇒ $3230 \div 63$

∴ Remainder = 17

61. Answer: d

Explanation:

Given:-

MP = Rs.1250

SP = Rs.1150

Formula used:-

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

Calculation:-

Discount% = $\{(1250 - 1150) \times 100\} / 1250$

⇒ $(100 \times 100) / 1250$

⇒ $10000 / 1250$

⇒ 8%

∴ The discount percentage allowed by the shopkeeper is 8%

62. Answer: b

Explanation:

Given:-

Total Interest = Rs.11880

Total time = 4 years

$R_1 = 7\%$

$R_2 = 9\%$

$R_3 = 11\%$

Formula used:-

$$SI = (P \times R \times T)/100$$

Calculation:-

Let total sum be x

According to question:-

$$P_1 = 3x/7, P_2 = 2x/5, P_3 = [1 - (3x/7 + 2x/5)] = 6x/35$$

$$\text{Total Interest} = \sum (P \times R \times T)/100$$

$$\Rightarrow 11880 = \frac{3x \times 7 \times 4}{7 \times 100} + \frac{2x \times 9 \times 4}{5 \times 100} + \frac{6x \times 11 \times 4}{35 \times 100}$$

$$\Rightarrow 11880 = \frac{4}{100} \times \left[\frac{21x}{7} + \frac{18x}{5} + \frac{66x}{35} \right]$$

$$\Rightarrow \frac{105x + 126x + 66x}{35} = 1188000/4$$

$$\Rightarrow 297x = 297000 \times 35$$

$$\Rightarrow x = 10395000/297$$

$$\Rightarrow x = 35000$$

\therefore The total sum invested is Rs.35000

63. Answer: a

Explanation:

Given:

A can complete a work in 8 days.

B can complete it in 12 days

With the assistance of C, they completed the work in 4 days.

Concept used:

Efficiency = Total work/No. of days taken

Calculation:

Total work = LCM (8, 12, 4)

⇒ 24 units

Efficiency of A = $24/8$

⇒ 3

Efficiency of B = $24/12$

⇒ 2

Efficiency of A, B, and C together = $24/4$

⇒ 6

Now, Efficiency of C = Efficiency of A, B, C together - Efficiency of A - Efficiency of B

⇒ $6 - 3 - 2 = 1$

C alone complete the same work in = $24/1$

⇒ 24 days

\therefore Required number of days = 24

64. Answer: a

Explanation:

Given:

$$a, b, c \in \mathbb{Z}$$

$$(a^2 + b^2) : (b^2 + c^2) : (c^2 + a^2) = 34 : 61 : 45$$

Calculation:

$$a^2 + b^2 = 34x \dots\dots\dots (1)$$

$$b^2 + c^2 = 61x \dots\dots\dots (2)$$

$$c^2 + a^2 = 45x \dots\dots\dots (3)$$

Now,

$$\text{Eq}(2) - \text{Eq}(1)$$

$$c^2 - a^2 = 27x$$

$$\Rightarrow (c - a)(c + a) = 9 \times 3x$$

$$\therefore c + a = 9$$

$$\text{Eq}(2) - \text{Eq}(3)$$

$$b^2 - a^2 = 16x$$

$$\Rightarrow (b - a)(b + a) = 8 \times 2x$$

$$\therefore a + b = 8$$

$$\text{Eq}(3) - \text{Eq}(1)$$

$$c^2 - b^2 = 11x$$

$$\Rightarrow (c - b)(c + b) = 11 \times x$$

$$\therefore b + c = 11$$

$$\therefore a + b : b + c : c + a = 8 : 11 : 9$$

65. Answer: a

Explanation:

Let cost price of an article be Rs. x

Profit percentage = x

Selling price of an article = 375

Then,

$$\Rightarrow x = \left[\frac{(375 - x)}{x} \right] \times 100$$

$$\Rightarrow x^2 = 37500 - 100x$$

$$\Rightarrow x^2 + 100x - 37500 = 0$$

$$\Rightarrow (x - 150)(x + 250) = 0$$

$$\Rightarrow x = 150 \text{ or } x = -250$$

\therefore Cost price of an article is Rs.150

66. Answer: b

Explanation:

Given:

Discount = 10%

Market price = 30% above cost price

Formula used:

$$\text{Discount \%} = (\text{MP} - \text{SP}) / \text{MP} \times 100$$

$$\text{Gain\%} = (\text{SP} - \text{CP}) / \text{CP} \times 100$$

Calculation:

Let the cost price be Rs.100

$$\Rightarrow \text{MP} = \text{Rs.130}$$

Discount offered = 10%

$$\Rightarrow 10 = (130 - \text{SP}) / 130 \times 100$$

$$\Rightarrow 13 = 130 - \text{SP}$$

$$\Rightarrow \text{SP} = \text{Rs.117}$$

$$\text{Gain\%} = (117 - 100) / 100 \times 100$$

$$\Rightarrow 17$$

∴ The correct answer is 17%.

67. Answer: b

Explanation:

Given:

Edge of the cube = 12 cm

The volume of the cone =?

Formula used:

The volume of the cone, $(v) = \frac{1}{3} \pi r^2 h$

Concept:

Here, the height and the diameter are the same as the edge because the cone will have the same measurements all over its surface as the edge.

Calculation:

Edge of the cube = 12 cm

Radius of the cone, $r = \frac{12}{2} = 6$ cm

Height of the cone, $h = 12$ cm

The volume of the cone, $v = \frac{1}{3} \pi r^2 h$

$$\Rightarrow v = \frac{1}{3} \times \frac{22}{7} \times (6)^2 \times 12$$

$$\Rightarrow v = \frac{9504}{21} = 452.5714 \text{ cm}^3$$

\therefore The volume of the largest right circular cone is 452.57 cm^3

68. Answer: a

Explanation:

Given:

Amount after 3 years = Rs. 715

Amount after 8 years = Rs. 990

Formula used:

$$A = P + SI$$

Calculation:

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Amount in 3 years = Rs. 715

Now it is given in the question, amount for the time of further 5 years i.e

Total time = 5 years + 3 years

⇒ 8 years.

Amount in 8 years = Rs. 990

SI for 5 years = Amount after 8 years - Amount after 3 years

⇒ 990 - 715

⇒ 275

SI for 1 years = $275/5 = 55$

SI for 3 years = $55 \times 3 = \text{Rs.}165$

P = Amount of 3 years - SI of 3 years

⇒ P = 715 - 165 = 550

∴ The sum is Rs. 550

★ Confusion Points

It is given in the question that after further 5 years amount is calculated , so total time will be (5 +3) years = 8 years. not 5 years.

69. Answer: c

Explanation:

Given:

⇒ $96 - 4 \text{ of } (18 - 13) + 4 \times 7$

Calculation:

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

$\Rightarrow 96 - 4 \text{ of } 5 + 4 \times 7$

$\Rightarrow 96 - 20 + 4 \times 7$

$\Rightarrow 96 - 20 + 28$

$\Rightarrow 124 - 20$

$\Rightarrow 104$

$\therefore 104$ is the correct Answer.

70. Answer: d

Explanation:

Calculation:

Let the efficiency ratio of pipe A : C = 6 : 1

And the efficiency ratio of A : B = 2 : 1

Efficiency ratio of A : B : C = 6 : 3 : 1

Total Work = $(6 + 3 + 1) \times 3 = 30$ units

Efficiency of B & C pipe = $3 + 1 = 4$

Pipe B & C can fill the whole tank in = $30 / 4 = 7 \frac{1}{2}$ hour

71. Answer: c

Explanation:

Concept used:

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

Calculation:

Here, 45% of 360 + 30% of 400 = 25% of x

$$\Rightarrow (45 \times 360/100) + (30 \times 400/100) = (25 \times x)/100$$

$$\Rightarrow 162 + 120 = x/4$$

$$\Rightarrow x/4 = 282$$

$$\Rightarrow x = 1128$$

∴ The correct answer is 1128.

72. Answer: b

Explanation:

Given:

$$\text{Side of square} = 6\sqrt{2}$$

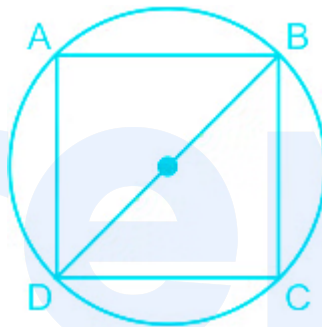
Formula used:

$$\text{Diagonals of the square} = \text{side} \times \sqrt{2}$$

$$\text{Area of the circle} = \pi r^2 \text{ where } r \text{ is the radius of the circle}$$

$$\text{Diagonals of the square} = 2r$$

Solution:



$$\text{Diagonals of the square} = 6\sqrt{2} \times \sqrt{2}$$

$$\Rightarrow 12$$

$$\Rightarrow 2r = 12$$

$$\therefore r = 6$$

$$\text{Area of Circle} = \pi r^2 = \frac{22}{7} \times 6^2$$

$$\Rightarrow \frac{22}{7} \times 36$$

$$\Rightarrow \frac{792}{7}$$

$$\text{Area of Square} = (6\sqrt{2})^2$$

$$\Rightarrow 72$$

$$\text{Area of the circle excluding the square} = \text{Area of the circle} - \text{Area of square}$$

$$\Rightarrow \frac{792}{7} - 72$$

$$\Rightarrow 113.14 - 72 = 41.15$$

\therefore Area of the circle excluding the square = 41

73. Answer: d

Explanation:

Given:

A man takes 2 hours to swim 25 km downstream

He swims 19 km upstream in the same time.

Concept used:

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

$$\text{Speed of the current} = (\text{Downstream} - \text{Upstream})/2$$

Calculation:

$$\text{Downstream speed} = 25/2$$

$$\Rightarrow 12.5 \text{ km/h}$$

$$\text{Upstream Speed} = 19/2$$

$$\Rightarrow 9.5 \text{ km/h}$$

$$\text{Speed of the current} = (\text{Downstream} - \text{Upstream})/2$$

$$\Rightarrow (12.5 - 9.5)/2$$

$$\Rightarrow 3/2 = 1.5 \text{ km/h}$$

\therefore The Required speed of the current is 1.5 km/h .

74. Answer: d

Explanation:

Given:

Arun sold two article for Rs. 631.80 each.

On one he gained 17% and on the other he lost 19%.

Concept used:

$$\text{Loss} = \text{C.P} - \text{S.P}$$

$$\text{Profit} = \text{S.P} - \text{C.P}$$

$$\text{Loss\%} = \frac{\text{C.P} - \text{S.P}}{\text{C.P}} \times 100$$

$$\text{C.P} = \frac{100}{(100 \pm P/L)} \times \text{S.P}$$

Calculation:

Selling Price of 1st article = Rs. 631.80

Gain% = 17%

$$\text{Cost Price of 1st article} = \frac{100}{(100+17)} \times 631.80$$

$$\Rightarrow (100/117) \times 631.80$$

$$\Rightarrow \text{Rs } 540$$

Selling Price of 2nd article = Rs 631.80

Loss% = 19%

$$\text{Cost price of 2nd article} = \frac{100}{(100-19)} \times 631.80$$

$$\Rightarrow (100/81) \times 631.80$$

⇒ Rs 780

$$\text{Total S.P} = 2 \times 631.80$$

⇒ 1263.6

$$\text{Total C.P} = 540 + 780$$

⇒ 1320

$$\text{Loss} = \text{C.P} - \text{S.P}$$

⇒ 1320 - 1263.6

⇒ 56.4

$$\text{Loss\%} = \frac{\text{C.P} - \text{S.P}}{\text{C.P}} \times 100$$

⇒ $(56.4/1320) \times 100$

⇒ 4.27% ≈ 4.3%

★ Shortcut Trick

If Selling price is same And Gain and Loss percentage given then

$$\text{Resultant Loss\%} = \frac{2XY}{(X + Y)}$$

Where X = 100 + profit%, Y = 100 - loss%

According to question

$$X = 100 + 17 = 117$$

$$Y = 100 - 19 = 81$$

$$\text{Loss\%} = \frac{2 \times 117 \times 81}{(117 + 81)}$$

⇒ 18954/198 = 95.72

$$\text{Loss\%} = 100 - 95.72 =$$

⇒ 4.27 ≈ 4.3%

75. Answer: d

Explanation:

Given:

Speed of car increases after every hour = 4 km / h

Distance travelled in 1st one hour = 55 km

Calculation:

Distance travelled in 2nd hour = $55 + 4 = 59$ km

Distance travelled in 3rd hour $59 + 4 = 63$ km

Distance travelled by car in every hour will be in Arithmetic Progression 55 , 59 , 63. up to 13 terms.

First term = $a = 55$, common difference = $d = 59 - 55 = 4$,

Number of terms = $n = 13$

Formula:

Sum of n terms of an Arithmetic Progression = $n / 2 [2a + (n - 1) d]$

Total distance travelled in 12 hours = $13 / 2 [2 \times 55 + (13 - 1) 4]$

= $13 / 2 (110 + 48) = 13 \times 79 = 1027$ km

76. Answer: c

Explanation:

The correct answer is 'gives a lots of'.

★ Key Points

- The right form should be '**gives a lot of**' because 'lots of' is informal and is not appropriate to be used in formal/written language.
 - Example- That's a lot of money.

★ Additional Information

- Words like '**lot of**', '**many**', '**much**' are called quantifiers and they are used to talk about quantities, amount and degree.
 - Example- There are **many** trees in our orchard.
 - Example- There was not **much** to do about it.
 - Example- There would be **a lot of** people at the concert.

77. Answer: b

Explanation:

The correct answer is '**could not went**'.

★ Key Points

- The sentence is in Simple Past tense.
- As the auxiliary '**could**' is already in its V2 (can-could) form so the main verb should have been '**go**' instead of 'went'.
- The correct sentence should be: ***I could not go** for my sister's wedding in Rajasthan as I had my final examination at that time.*

★ Additional Information

- '**Would**' (**will**) and '**should**' (**shall**) are other auxiliary verbs used in Past tense sentences.
 - Example- I thought we **would** be late.
 - Example- I **should** have brought an umbrella.

78. Answer: b

Explanation:

The correct answer is '**lavish**'.

★ Key Points

- **Lavish** means luxurious or rich.
 - Example- Weddings in India are generally **lavish** affairs.
- Among the options given, '**Lavish**' is the most appropriate option.

★ Additional Information

- **Lucky** means having or bringing good luck.
 - Example- She is a **lucky** girl because she is the only one who got selected.
- **Lonely** means sad because of not having friends or company.
 - Example- She grew **lonely** after her husband passed away.
- **Light** means something that is not heavy or sombre.
 - Example- You must pack **light** because it's only for two days.

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79. Answer: c

Explanation:

The correct answer is '**Deterioration**'.

★ Key Points

- **Betterment** means the progression of becoming something better.
 - Example- They believed their work was for the **betterment** of society.
- **Deterioration** means the progression of becoming worse.
 - Example- There was **deterioration** in the condition of the patient.

- Clearly '**deterioration**' is the opposite in meaning while other options are quite similar to the meaning of '**betterment**'.

★ Additional Information

- **Progress** means developing gradually.
 - Example- I can see **progress** in his health.
 - **Prosperity** means the process of being successful.
 - Example- This will bring **prosperity** to the country.
 - **Advancement** means development or improvement.
 - Example- The **advancement** in Medical Science is commendable.
-

80. Answer: c

Explanation:

The correct answer is '**inflammable**'.

★ Key Points

- **Inflammable** means a substance that can easily be set on fire or burnt.
 - Example- Alcohol is an **inflammable** substance.
- So clearly this word is the most appropriate choice for the given group of words.

★ Additional Information

- **Incredible** means something that is difficult to believe or unbelievable.
 - Example- The crowd at Ratha Yatra was **incredible**.
 - **Invisible** means something that is not seen.
 - Example- 'Mr.India' movie is about an **invisible** man.
 - **Indelible** means making marks that cannot be removed.
 - Example- Her memories have an **indelible** effect on me.
-

81. Answer: d

Explanation:

The correct answer is **'taken to'**.

★ Key Points

- The sentence is in Past tense and it is a passive sentence.
- So the right structure would be to use V3 form after 'were' i.e **'taken'**.
- The preposition 'to' is also not appropriate in this context.
- So the right preposition should be **'to'** as this preposition is used to indicate a destination or direction (in this case- the vineyards).

★ Additional Information

- The preposition **'in'** is used to indicate time and position under certain conditions.
 - Example-He is **in** his office right now.
 - He put his hand **in** the jar.
 - He will come home **in** January.
- The preposition **'to'** is used to indicate movement from one place to another.
 - Example- He is going **to** Puri this weekend.

82. Answer: d

Explanation:

The correct answer is **'Teetotaller'**.

★ Key Points

- A **teetotaller** refers to a person who never drinks alcohol.
 - Example- He was for most of his life a non-smoker and **teetotaller**.

★ Additional Information

- An **alcoholic** means a person who is addicted to alcohol.

- Example- He was an **alcoholic** apart from being a smoker.
 - **An Abandoner** means a person or thing that abandons.
 - Example- He became an **abandoner** for what he did with the poor child.
 - **A Noctambulist** means a person who walks in sleep or a sleepwalker.
 - Example- The **noctambulist** resides as the King of Fools.
-

83. Answer: d

Explanation:

The correct answer is '**extremely stupid**' .

★ Key Points

- The idiom '**as thick as two short planks**' is used to refer to a person who is very stupid or silly.
 - Example- He is a good football player but he is **thick as two short planks** .

★ Additional Information

- Some other idioms that are used to describe someone stupid :
 - **Not the brightest bulb in the box**
 - **Not the sharpest knife in the drawer**
 - **As smart as bait**
 - **The light is on but nobody's home**
-

84. Answer: b

Explanation:

The correct answer is '**if I will meet**' .

★ Key Points

- This is a conditional sentence where the first part is describing a possible event and the second part its consequence.
- The 'if' at the beginning of the sentence makes it a possible event and not something that is sure to happen so 'will' cannot be used as it is used to denote sure events.
- The correct structure should be 'If I meet'.

★ Additional Information

- We use the first conditional to talk about real situations in the present or in the future.
- The structure: **If + Present Simple, will/can/must/imperative form + verb**
 - Example- If you're free later, we can go for a walk.
 - If you're hungry, I'll make some sandwiches.

85. Answer: c

Explanation:

The correct answer is 'stable'.

★ Key Points

- **Steady** means firmly fixed or balanced, not moving.
 - Example- The kid is making **steady** improvements in his grades.
- **Stable** means not changing or fluctuating, balanced.
 - Example- They have a pretty **stable** relationship.
- It is clear that both the meanings are similar so '**stable**' is the most appropriate synonym for '**steady**'.

★ Additional Information

- **Shaky** means something is unstable or not steady.
 - Example- That is a dangerously cracked **shaky** table.
- **Soft** means something easy to mold, cut, or compress.
 - Example- You should use only **soft** butter for the recipe.

- **Flexible** means capable of bending easily without breaking.
 - Example- Rubber is a **flexible** material.
-

86. Answer: a

Explanation:

The correct answer is 'itinerary'.

★ Key Points

- **Itinerary** means a detailed plan for a route to be followed or places to be visited.
 - Example- Our **itinerary** included stops at several cathedrals.
- It is clear that this definition of **itinerary** makes it the most appropriate choice as the one-word substitution for the given set of words.

★ Additional Information

- **Travel** means to go from one place to another covering a distance of some length.
 - Example- I love to **travel** and explore places.
 - **Arrangement** means to plan or preparation for a future event.
 - Example- All **arrangements** for the wedding were done.
 - **Tour** means a journey for pleasure in which different places are covered.
 - Example- Last year I took a **tour** of South India.
-

87. Answer: d

Explanation:

The correct answer is 'overcast'.

★ Key Points

- An **overcast** sky means clouds covering a large part of the sky.
 - Example- The planes found the target obscured by overcast.
- Among the options, '**overcast**' is clearly the most appropriate option to fill in the blank.

★ Additional Information

- **Overjoyed** means being extremely happy.
 - Example- All of them were **overjoyed** upon hearing the good news.
- **Overdue** means not having arrived, done, or happened by the expected time.
 - Example- Your mid-term assignment is long **overdue**.
- **Oversized** means bigger than usual size.
 - Example- **Oversized** clothes are making a huge comeback in the fashion industry.

88. Answer: d

Explanation:

The correct answer is **Challenges** .

★ Key Points

- In the given options the correct option to be filled in the blank is **Challenges** .
- **Challenges:** Something that requires a lot of mental or physical work to complete well, which puts a person's abilities to the test.
 - **Example:** *She faced a lot of challenges when she was struggling in her job.*
- Thus, the correct option is Challenges.

The correct sentence is: **Tukaram said that scaling every mountain peak has its own challenges.**

★ Additional Information

- Checks mean swiftly examining something or someone to make sure it is accurate, secure, or appropriate.

- Contests mean competitions in which participants try to outperform one another and frequently award prizes.
 - Burdens mean to imply a huge load you are carrying.
-

89. Answer: c

Explanation:

The correct answer is **Tough**.

★ Key Points

- **Sturdy** refers to something that is physically strong, substantial, or thick, and so unlikely to break or injure someone.
 - **Example** : *The rock is sturdy.*
- **Tough** means strength; it cannot be readily broken or diminished.
 - **Example**: *He looks like a tough man.*
- "Sturdy" and "Tough" are similar in meaning.

Therefore, the correct option is **Tough**.

★ Additional Information

- **Delicate** means something that should be handled carefully, especially since it is easily damaged.
 - **Unhealthy** means something which is not healthy for the health.
 - **Active** means someone who is involved in a particular activity.
-

90. Answer: d

Explanation:

The correct answer is **Felt ashamed for** .

★ Key Points

- The sentence can be improved by replacing the "Felt a shame by" with "Felt ashamed for."
- "For" indicates "for the purpose or object of." It denotes a fit for a certain purpose for something or someone.
 - **Example:** *I know that she will always be there for me.*
- "By" denotes something or someone acting "as a means of." This adverb is frequently used in passive sentences.
 - **Example:** *The novel "Mrs Dalloway" is written by Virginia Woolf.*
- In the given sentence, the students are feeling ashamed for their bad behaviour.
- Thus, the correct option is Felt ashamed for.

The correct sentence is: **The students felt ashamed for their bad behaviour.**

★ Additional Information

- A **P reposition** is a word or phrase that is used before a noun or pronoun to indicate place, time, direction, etc.
 - Some other prepositions are *in, at, on etc.*

91. **Answer: a**

Explanation:

The correct answer is **Occurence**.

★ Key Points

- " **Occurence** " is an incorrect spelling.
- The spellings of other words are absolutely correct.
- **Occurrence** is something that takes place.
 - **Example:** *Riots are an everyday occurrence in Kashmir.*

The correct spelling is Occurrence.

★ Additional Information

- **Occurrence** refers to a specific moment, especially when something happens or has already happened.
 - **Offering** refers to anything you offer or give to a person.
 - **Auction** refers to a usually open sale is a sale of commodities or property in which buyers place increasing amounts of money on the table in an effort to win the item.
-

92. Answer: d

Explanation:

The correct answer is **Hotal** .

★ Key Points

- "Hotal" is an incorrect spelling.
- The spellings of other words are absolutely correct.
- A **hotel** is a building where you can occasionally buy food and pay for a place to sleep in.
 - **Example:** *We stayed in a five-star hotel.*

The correct spelling is **Hotel**.

★ Additional Information

- **Mutter** refers to speaking in a low, hushed voice that is difficult to hear, frequently when you are anxious or upset about something.
 - **Guard** is a person or team whose responsibility it is to keep someone, something, or someplace safe from harm or attack, or to stop someone like a criminal from escaping.
 - **Strain** is a force or influence that pulls, strains, or presses something, occasionally resulting in damage.
-

93. Answer: a

Explanation:

The correct answer is Certain .

★ Key Points

- Volatile means that 'can **change suddenly** and unexpectedly'.
 - *Example : A highly volatile situation which could easily develop into rioting.*
- Marked option Certain means '**completely sure** ; without any doubts'.
 - *Example:She's absolutely certain that there was somebody outside her window..*
- It is clear that ' Certain ' and ' Volatile ' are two opposite words in meaning.
- Therefore the correct answer is option 2.

★ Additional Information

- Subtle -not very noticeable; not very strong or bright.
- **Erratic**-changing without reason; that you can never be sure of.
- Flighty -fickle and irresponsible.

94. Answer: b

Explanation:

The correct answer is **To perform a task within the time limit.**

★ Key Points

- The most appropriate meaning of the given idiom "**To beat the clock**" is "**To perform a task within the time limit .**"
- **To beat the clock** refers to completing something swiftly before a deadline.
 - **Example:** *He beat the clock when he submitted his assignment.*
- Therefore, as per the points mentioned above, we find that the correct answer is **To perform a task within the time limit .**

★ Additional Information

- Let's look at the meaning and examples of some idioms of the play "Time."

Idioms	Meaning	Example
Turn back the hands of time	To go back in time	<i>He turned back the hands of time when he visited the US again.</i>
Kill time	To pass the time, do something uninteresting.	<i>He was killing time by watching the television.</i>

95. Answer: c

Explanation:

The correct answer is **As soon as** .

★ Key Points

- The sentence can be improved by replacing the "Although" with "As soon as ."
- We use the word "Although" when we acknowledge a fact about something that we think is less significant than a fact that runs counter to it.
 - Example: *Although he acts tough, he is really a sensitive guy.*
- We use the phrase "as soon as" when something occurs immediately, such as "at the exact moment another action is performed" or "shortly after another action is completed."
 - Example: *Call me as soon as you reach your home.*
- In the given sentence, he got the message immediately and then he rushed home.
- Thus, the correct option is As soon as.

The correct sentence is **As soon as he got the message he rushed home.**

96. Answer: a

Explanation:

The correct answer is **Has**.

★ Key Points

- In the given options the correct option to fill in the blank is **Has**.
- We use "**has**" when referring to someone or something in the third person singular. This indicates that we must use the definite article **has** when referring to a single item or person and we are not utilising the pronouns "I" or "you."
 - **Example:** *My sister has a Macbook.*

The complete sentence is: **The pandemic has created a very difficult situation.**

97. Answer: a

Explanation:

The correct answer is **For**.

★ Key Points

- In the given options the correct option to fill in the blank is **For**.
- We use the word "**for**" when discussing a reason or purpose for anything.
 - **Example:** *My mother cooked for the guests.*

The complete sentence is: **The pandemic has created a very difficult situation for migrant workers.**

98. Answer: c

Explanation:

The correct answer is **Travel**.

★ Key Points

- In the given options the correct option to fill in the blank is **Travel**.
- **Travel**: The action of travelling, typically a considerable distance.
 - **Example:** *I travel to college by metro.*

The complete sentence is: **They were forced to travel long distances.**

★ Additional Information

- **Sleep** refers to the inactive condition of the body and the unconsciousness of the mind during sleep.
- **Stand** refers to having or causing to be in a vertical position, especially (of a person or animal) by straightening the legs.
- **Rumble** refers to continuously emitting a low sound.

99. Answer: c

Explanation:

The correct answer is **On**.

★ Key Points

- In the given options the correct option to fill in the blank is **On**.
- When something is in contact with something's surface, **we use the word "on."** It might be a wall ("They hung pictures **ON** the wall") or a horizontal surface like a floor or a beach.
 - **Example:** *There is a book on my table.*

The complete sentence is: **They were forced to travel long distances on foot to reach their native places.**

★ Additional Information

- We use "In" when anything is situated inside of a specified space. It might be a three-dimensional object like a box, house, or car, or it could be a flat place like a yard.
- We use "To" when we typically indicate that we are heading in that direction.
- The word "From" is used to indicate the starting and stopping points of a timed activity.

100. Answer: c

Explanation:

The correct answer is **Miserably**.

★ Key Points

- In the given options the correct option to fill in the blank is **Miserably**.
- **Miserably**: Exhibiting or expressing unhappiness
 - **Example:** *They lost the game miserably.*

The complete sentence is: **On the way, several people suffered miserably and died too.**

★ Additional Information

- **Excitedly**: In an exciting way.
- **Posthumously**: After a person's death.
- **Haphazardly**: In a way that lacks a clear structure or plan.