

Sainik School

Entrance Exam

Solved Paper-2025

(Class-VI)

ENGLISH LANGUAGE

1. Choose the most suitable collective noun from the options given below:

The students presented a _____ of flowers to the distinguished guests.

- (a) batch (b) pack
(c) bouquet (d) peasantry

2. Choose the correct option to complete the sentence:

I wish to know _____ the _____ is pleasant in Delhi or not

- (a) weather, weather
(b) whether, weather
(c) weather, whether
(d) whether, whether

3. Change the gender of the underlined word:

The fox was hungry.

- (a) vixen (b) foxes
(c) colt (d) filly

4. Identify the part of speech of the underlined word in the given sentence:

“My mother will come soon.”

- (a) Conjunction (b) Noun
(c) Adjective (d) Adverb

5. Fill in the blanks with plural forms :

Singular	Plural
formula	—
sheep	—

- (a) formulas, sheeps
(b) formulae, sheep
(c) formula, sheep
(d) formulae, sheeps

6. Find a word which is **opposite** of the given word:

HEIGHTEN

- (a) maximize (b) widen
(c) decrease (d) strengthen

7. Choose the word which is nearly the **same in meaning** to the word given below:

DEMISE

- (a) illness (a) birth
(c) rebirth (d) death

8. Fill in the blank by choosing the correct option:

There is not a student _____ Mohit in our class.

- (a) as the most intelligent than
(b) intelligent than
(c) most intelligent as
(d) as intelligent as

9. Choose the most appropriate word to fill in the blank:

_____! you have done well.

- (a) Oh (b) Oops
(c) Bravo (d) Alas

10. Fill in the blank by choosing the correct idiom:

It has been raining _____ since the last seven hours.

- (a) hue and cry (b) far and wide
(c) cats and dogs (d) black and white

11. Identify the form of the tense in the following sentence:

Soham had sung a song.

- (a) Present perfect (b) Past simple
(c) Present simple (d) Past perfect

12. Identify the nouns used in the following sentence:

Every person should perform his duty.

- (a) every, duty (b) person, perform
(c) every, person (d) person, duty

13. Fill in the blank by choosing the correct pronoun:

This is the girl _____ all admire.

- (a) whom (b) who
(c) which (d) that

14. Choose the correct spelling:

- (a) separate (b) seperate
(c) saparate (d) saperate

15. Form a meaningful sentence using the jumbled expressions:
- (1) as warm as
 - (2) it is believed that
 - (3) six sweaters
 - (4) a pashmina shawl is
- (a) (2) (3) (1) (4)
 - (b) (3) (1) (2) (4)
 - (c) (2) (4) (1) (3)
 - (d) (2) (4) (3) (1)
16. Choose the correct articles from the given option:
Rahul is _____ intelligent son of _____ poor farmer.
- (a) an, an
 - (b) an, a
 - (c) a, the
 - (d) the, an
17. Fill in the blank by choosing the most suitable word:
Charu's handwriting is _____, I am unable to read it.
- (a) eligible
 - (b) immigrant
 - (c) illegible
 - (d) ambiguous
18. Fill in the blank with the correct form of the verb:
While I _____ a letter, my teacher came.
- (a) was writing
 - (b) wrote
 - (c) had been writing
 - (d) had written
19. Choose the correct option to complete the sentence:
_____ car is parked over _____.
- (a) Their, they're
 - (b) There, their
 - (c) Their, there
 - (d) They're, their
20. Fill in the blank with suitable question tag:
He works in school, _____?
- (a) didn't he
 - (b) isn't he
 - (c) doesn't he
 - (d) does he

Direction: (Qs. 21-25) Read the following passage and answer the questions that follow:

Conversation is a fine art. It is the art of exchanging thoughts. It is an art which anybody can cultivate or master. Not everybody can paint or play music, but almost everyone can talk. Thus it affords 'To talk', says R.L. Sleverson, is our chief business in the world. And talk, is by far the most accessible of pleasures. It costs nothing in money, it is all profit. It completes our education, makes friends and can

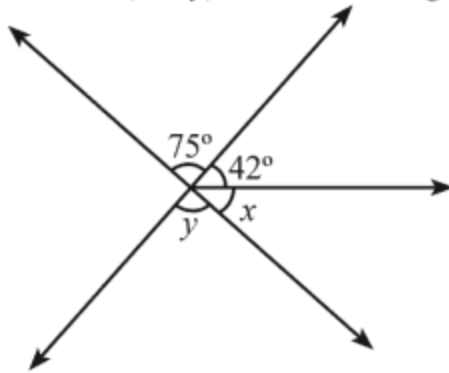
be enjoyed at any age. Conversation is indeed the most, teachable of all the arts. All you need to do is to find a subject that interests you and your listeners. For example, numberless hobbies to talk about. But the important thing is that you must talk about the other fellow's hobby rather than your own. Therein lies the secret of your popularity. There is nothing that pleases people so much as your interest in their interest.

It is just as important to know what subjects to avoid and what subjects to select for good conversation. If you don't want to be set down as a bore, avoid certain unpleasant topics. Avoid talking about yourself unless you are asked to do so. Sickness or death bores everybody. The only one who willingly listens to such talk is the doctor, but he gets paid for it. You must also know not only what to say but also how to say it.

21. How can you become popular ?
- (a) By discussing about education
 - (b) By talking about our hobbies
 - (c) By discussing about death
 - (d) By talking about listener's hobbies
22. Find a word from **Para 1** which means:
Within reach
- (a) Teachable
 - (b) Chief
 - (c) Accessible
 - (d) Fellow
23. On the basis of the author's view, which statement is not true?
- (a) Knowing how to say is not as important as what to say.
 - (b) Talking can be a means of pleasure.
 - (c) Talking costs nothing.
 - (d) Doctors are willing to listen to our miseries and sickness.
24. Fill in the blank by choosing the correct word:
It is important for children to _____ food manners.
- (a) cultivate
 - (b) please
 - (c) bore
 - (d) avoid
25. According to the author, which is the easiest art?
- (a) Music
 - (b) Exchanging thoughts
 - (c) Painting
 - (d) Hobby

MATHEMATICS

26. The areas of a square and a rectangle are equal. If the side of the square is 30 cm and the breadth of the rectangle is 25 cm, then the length of the rectangle is:
- (a) 42 cm (b) 38 cm
(c) 40 cm (d) 36 cm
27. A shopkeeper bought two mobile phones for ₹15,600 and ₹14,400 respectively and sold them for a total of ₹31,200. His loss or gain percentage is:
- (a) loss of 8% (b) gain of 6%
(c) gain of 4% (d) loss of 4%
28. A factory produces electric bulbs and 2 out of every 15 bulbs are defective. If the factory produces 630 bulbs per day, then the number of defective bulbs produced per day is:
- (a) 45 (b) 90
(c) 42 (d) 84
29. The value of $(x + y)$ in the following figure is:



- (a) 117° (b) 163°
(c) 105° (d) 138°
30. Read the given statements and choose the correct option:
- Statement-I :** The diagonals of a square are equal in length and are perpendicular to each other.
- Statement-II :** The diagonals of a square are equal in length and are perpendicular to each other.
- (a) Both the statements are false
(b) Only statements-I is true
(c) Only statements-II is true
(d) Both the statements are true

31. If $a = 5$ and $b = 15$, then the value of $\left(\frac{a}{b} + 1\right) \frac{b}{a} + (b - a)$ is :
- (a) 14 (b) 24
(c) 12 (d) 18
32. A woman bought 5 kg 640 gm potatoes, 3 kg 37 gm onions and 6 kg 8 gm tomatoes. She found 2 kg 45 gm tomatoes rotten and returned these to the vegetable vendor. The weight of the vegetables she took home is:
- (a) 12.640 kg
(b) 13.460 kg
(c) 12.973 kg
(d) 13.360 kg
33. 35 envelopes cost ₹87.50. How many such envelopes can we buy for ₹730?
- (a) 292 (b) 126
(c) 252 (d) 312
34. What should be added to the sum of 179.08 and 20.17 to get 512?
- (a) 321.75 (b) 711.25
(c) 313.25 (d) 312.75
35. If 48% of a number is 120, then what is 170% of the number?
- (a) 475 (b) 400
(c) 425 (d) 385
36. A rectangular piece of land measures 700 m by 500 m. It is to be fenced with 4 rounds of wire. The length of the wire needed is:
- (a) 8600 m (b) 7200 m
(c) 4800 m (d) 9600 m
37. The average of 15, 12, 17, $(x + 5)$, $(x - 1)$ and 22 is 15. The value of x is:
- (a) 10 (b) 20
(c) 12 (d) 8
38. Six sectors of equal area are formed by the three diameters in a circle. The measure of an angle formed by two adjacent radii in each sector is:
- (a) 30° (b) 90°
(c) 45° (d) 60°

39. Arrange the following fractions in ascending order:

$$\frac{2}{3}, \frac{1}{6}, \frac{5}{9} \text{ and } \frac{7}{12}$$

- (a) $\frac{1}{6}, \frac{5}{9}, \frac{7}{12}, \frac{2}{3}$ (b) $\frac{5}{9}, \frac{1}{6}, \frac{7}{12}, \frac{2}{3}$
 (c) $\frac{5}{9}, \frac{2}{3}, \frac{1}{6}, \frac{7}{12}$ (d) $\frac{1}{6}, \frac{5}{9}, \frac{2}{3}, \frac{7}{12}$
40. The length, breadth and height of a room are 1050 cm, 750 cm and 425 cm, respectively. The length of the longest tape which can measure the three dimensions of the room exactly is:
 (a) 50 cm (b) 125 cm
 (c) 150 cm (d) 25 cm

41. Which of the following statements are correct?
 (A) If a number is divisible by 4, it must be divisible by 8.
 (B) If a number is divisible by 3 and 5, then it is divisible by 15 also.
 (C) A number which is divisible by 2 and 8 is divisible by 16 also.
 (D) The sum of two consecutive odd numbers is always divisible by 4.
 (a) Only (B), (C) and (D)
 (b) Only (A), (B), and (D)
 (c) Only (B) and (C)
 (d) Only (B) and (D)

42. A borrowed ₹3500 for 3 years at the rate of 4% p.a., B borrowed ₹4200 for 2 years at the rate of 5% p.a. and C borrowed ₹2800 for 3 years at the rate of 5% p.a. on simple interest. Which of the following statements is true?
 (a) Only A and C have to pay ₹420 each as simple interest.
 (b) Only A and B have to pay ₹420 each as simple interest.
 (c) A, B and C all have to pay ₹420 each as simple interest.
 (d) Only B and C have to pay ₹840 each as simple interest

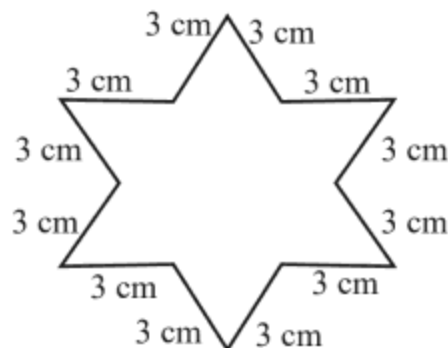
43. A solid cuboid is formed by joining three solid cubes of side 4 cm each. The volume of the cuboid so formed is:
 (a) 256 cm^3 (b) 192 cm^3
 (c) 64 cm^3 (d) 128 cm^3

44. In the given question two statements Assertion (A) and Reason (R) are given. Read them carefully and choose the correct option from the given options.

Assertion (A): 41 is a prime number.

Reason (R): It has only two factors-number 1 and the number itself.

- (a) (A) is not correct but (R) is correct.
 (b) Both (A) and (R) are correct and (R) is the correct explanation of (A)
 (c) Both (A) and (R) are correct but (R) is not the correct explanation of (A).
 (d) (A) is correct but (R) is not correct.
45. The perimeter of the following figure is:



- (a) 36 cm (b) 54 cm
 (c) 45 cm (d) 30 cm
46. Which of the following statements are not true?
 (A) Two acute angles are always supplementary.
 (B) Two obtuse angles are always supplementary.
 (C) Two equal angles which are twice of the half of a right angle are supplementary.
 (D) An acute and an obtuse angles are always complementary.

Choose the correct answer from the options given below:

- (a) (A), (B) and (D) only
 (b) (A) and (C) only
 (c) (B), (C) and (D) only
 (d) (C) and (D) only
47. The value of * in the following is :
 $3958 - * 7 * = 3 * 8 *$
 (a) 3 (b) 6
 (c) 5 (d) 4
48. The least number which when divided by 25, 40 and 60 leaves 9 as the remainder in each case is:
 (a) 509 (b) 619
 (c) 609 (d) 591

49. Read the given statements and choose the correct option:
Statement-I : A secant of a circle is a line segment having its end points on the circle.
Statement-II : A chord is a line passing through the centre of a circle and intersecting the circle at two points.
 (a) Both the statements are false
 (b) Only statement-I is true
 (c) Only statement-II is true
 (d) Both the statements are true
50. The ratio of price of coffee to that of tea when coffee costs ₹24 per 100 gm and tea costs ₹180 per kg is:
 (a) 3 : 4 (b) 2 : 15
 (c) 4 : 5 (d) 4 : 3
51. Anil exercised for $\frac{2}{3}$ hour, Ram exercised for $\frac{3}{4}$ hour, Chetan exercised for $\frac{1}{5}$ hour and Dharm exercised for $\frac{5}{6}$ hour. Who exercised for maximum time?
 (a) Ram (b) Chetan
 (c) Dharm (d) Anil
52. A solid metallic cuboid of length 9 cm and width 8 cm is formed by melting a solid metallic cube of side 6 cm. The height of the cuboid is:
 (a) 2 cm (b) 6 cm
 (c) 3 cm (d) 4 cm
53. Total how many 5 digit numbers are there?
 (a) 89,900 (b) 89,000
 (c) 89,9999 (d) 90,000
54. A number written in Roman Numerals LXXIX - XXXIX is equal to:
 (a) XL (b) XXIX
 (c) CIX (d) XC
55. A car runs with a speed of 65 Km/hr. How far will it travel in 180 minutes with the same speed?
 (a) 180 km (b) 117 km
 (c) 195 km (d) 245 km
56. Which of the following is the correct representation of 446 in Roman Numerals?
 (a) CLXXVI (b) DCXLVI
 (c) CDXLVI (d) CCXLVI
57. Sunita reads $\frac{5}{7}$ part of a book in 5 hours. The part of the book she will read in 2 hours is:
 (a) $\frac{4}{7}$ (b) $\frac{1}{7}$
 (c) $\frac{3}{7}$ (d) $\frac{2}{7}$
58. The value of $32 + 16 \div 4 - 2 \times 3$ is:
 (a) 20 (b) 26
 (c) 30 (d) 6
59. The decimal form of the sum of $\frac{2}{5}$ and $\frac{7}{8}$ is:
 (a) 2.175 (b) 1.275
 (c) 1.875 (d) 0.875
60. 50 chairs and 30 blackboards were purchased for a school. If each chair costs ₹1065 and each blackboard costs ₹1645, then the total amount of the bill is:
 (a) ₹1,20,600 (b) ₹1,02,500
 (c) ₹92,600 (d) ₹1,02,600
61. The value of '?' in $3 - \frac{4}{5} + (?) - \frac{7}{15} = 2\frac{2}{5}$ is:
 (a) $\frac{3}{4}$ (b) $\frac{1}{4}$
 (c) $\frac{1}{3}$ (d) $\frac{2}{3}$
62. One angle of a triangle is half of a right angle and another angle is 15° more than $\frac{1}{3}$ rd of a right angle. Name the triangle based on its sides and angles:
 (a) Isosceles obtuse angled triangle
 (b) Scalene acute angled triangle
 (c) Scalene right angled triangle
 (d) Isosceles right angled triangle
63. My mother says that in her childhood the price of petrol was ₹15 per litre. It is ₹72 per litre today. By what percentage the price of petrol has gone up?
 (a) 250% (b) 400%
 (c) 380% (d) 360%
64. An item was sold at ₹5840 at a loss of 20%. The cost price of the item was:
 (a) ₹7300 (b) ₹4672
 (c) ₹4582 (d) ₹7500

65. Name the type of an angle whose the measure is the difference of complete angle and the angle which is 5 times of half of a right angle:
 (a) Reflex angle (b) Acute angle
 (c) Obtuse angle (d) Straight angle
66. A rod of length 15 metre 8 cm is divided into 4 equal parts. The length of each part of the rod is:
 (a) 3.65m (b) 3.77m
 (c) 3.95m (d) 3.88m
67. $0.009 + 9.09 + 0.9009 - 0.09 = ?$
 (a) 9.9009 (b) 9.9089
 (c) 9.8909 (d) 9.9099
68. A train covered a certain distance with a speed of 120 km/hr in 40 minutes. If the speed of the train is increased to 150 km/hr, then how much less time it will take to cover the same distance?
 (a) 8 minutes (b) 5 minutes
 (c) 10 minutes (d) 16 minutes
69. A liquid is heated to a temperature of 50°F (Fahrenheit) and the temperature of another liquid was raised to 25°C (Celcius). The difference in temperature of the two liquids in degree celcius is:
 (a) 8°C (b) 12°C
 (c) 15°C (d) 10°C
70. The supplementary angle of the complementary angle of two times of one-fifth of a right angle is:
 (a) 132° (b) 144°
 (c) 126° (d) 124°
71. Anita invested a certain sum for 4 years at the rate of 5% p.a. and received ₹850 as simple interest. Sunita also invested certain sum for 6 years at the rate of 4% p.a. and received ₹840 as simple interest. The difference of the sums they invested is:
 (a) ₹520 (b) ₹1690
 (c) ₹1250 (d) ₹750
72. Sum of all the prime numbers between 1 and 60 having 3 as the unit digit is:
 (a) 78 (b) 168
 (c) 135 (d) 129
73. Read the given statements and choose the correct option:
 Statement-I: A line has two end points.
 Statement-II: Two lines either intersect or are parallel.

- (a) Both the statements are false
 (b) Only statement-I is true
 (c) Only statement-II is true
 (d) Both the statements are true
74. Sunita bought $3\frac{3}{4}$ m of cloth. She used $\frac{5}{6}$ m cloth for Kurta and $\frac{2}{3}$ m cloth for Pyjamas of her doll. The cloth left with her is:
 (a) $2\frac{2}{3}$ m (b) $2\frac{3}{4}$ m
 (c) $2\frac{1}{4}$ m (d) $2\frac{1}{6}$ m
75. In an examination, in a group of 5 boys and 7 girls, the average marks of the boys is 12 and the average marks of the girls is 18. The average marks of the group is:
 (a) 10 (b) 14.5
 (c) 15 (d) 15.5

INTELLIGENCE TEST

76. Find the missing letter (?) in the following letter series:
 E, J, O, ?, Y
 (a) V (b) S (c) T (d) U
77. Choose the odd one out among the following :
 (a) Beetroot (b) Tomato
 (c) Carrot (d) Ginger
78. Find the odd one out among the following:
 (a) 146 (b) 36 (c) 64 (d) 100
79. Study the sequence of patterns in 1, 2 and 3 carefully. On the basis of these patterns, find the number of stars in pattern 9.



Pattern 1



Pattern 2



Pattern 3

- (a) 48 (b) 32 (c) 24 (d) 36

80. There is certain relationship between the two terms given on the left side of (::). Choose the correct alternative for the missing term having the similar relationship with the third term.

ABCD : KLMN :: GHIJ : ___ ?

- (a) OPQR
 (b) RSTU
 (c) PQRS
 (d) QRST
81. There is a certain relationship between two numbers given on the left side of (::). Choose the correct number from the given alternatives for the missing number using the same relationship.

24 : 11 :: 64 : ___ ?

- (a) 33 (b) 21
 (c) 31 (d) 32
82. If $4 + 2 = 6$
 $40 + 20 = 60$
 $400 + \odot = 600$
 $\otimes + \otimes + 2000 = 6000$ then, the sum of $\otimes + \odot + 2$ is ___ ?

- (a) 2222 (b) 4202
 (c) 4002 (d) 2202

83. Complete the following analogy:

BAT : 23 :: DOG : ___ ?

- (a) 27 (b) 25
 (c) 28 (d) 26
84. Find the missing number (?) of the given series:
 5, 10, 20, 35, ___ ?, 80
- (a) 60 (b) 50
 (c) 45 (d) 55

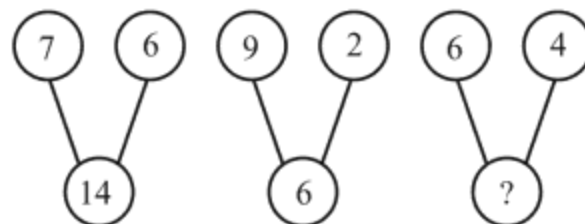
85. From the given alternatives, choose the figure which will replace the question mark (?) to continue the series :



- (a) (b)
 (c) (d)

86. A set of figures carrying certain numbers is given below. The numbers in each figure follow a similar pattern.

Find the missing number (as indicated by “?”):



- (a) 8 (b) 5
 (c) 12 (d) 10

87. Arrange the following words in logical sequence from big to small:

- (A) Cat (B) Honey-bee
 (C) Elephant (D) Whale
 (E) Lion

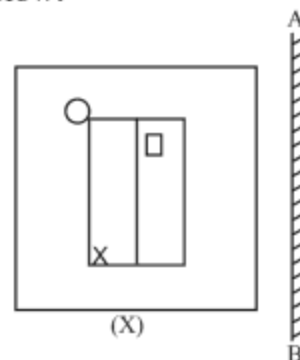
Choose the correct option from the following :

- (a) (B), (A), (E), (D), (C)
 (b) (D), (C), (E), (A), (B)
 (c) (B), (A), (E), (C), (D)
 (d) (D), (C), (E), (B), (A)

88. Arrange the letters R, I, P, L, A using each of them only once to form a meaningful word and then identify the category given in options given below to which the word belongs:

- (a) Vegetable (b) Month
 (c) Flower (d) Fruit

89. Choose the correct mirror image of the figure (X), when the mirror is placed on a line AB as shown below:



- (a) (b)
 (c) (d)

90. Choose the odd one out among the following :

- (a) B D G J (b) R T V X
 (c) M O Q S (d) G I K M

91. If day before yesterday was Wednesday, then day after tomorrow will be _____.

- (a) Sunday (b) Thursday
(c) Saturday (d) Monday

92. Find the missing number (?) in the following :



- (a) 111 (b) 110
(c) 120 (d) 121

93. Some of the letters are missing (blanks indicated by '_') in the letter series given below. Choose the correct order of letters from the options given below to fill in the blanks to complete the letter series.

a _ aba _ _ ba _ ab

- (a) b ab a (b) a bb a
(c) b ba b (d) a ab b

94. Find the odd one out among the following:

- (a)

	α
α	

 (b)

Δ	O
O	Δ

(c)

*	
	*

 (d)

θ	θ
β	β

95. Which of the following number will replace the question mark (?) in the given figure matrix, If the same rule among the numbers is followed either row-wise or column-wise?

3	8	7
15	?	35
27	72	63

- (a) 48 (b) 20
(c) 32 (d) 40

96. If 'Ball' is called 'Cap', 'Cap' is called 'Pencil', 'Pencil' is called 'Eraser' and 'Eraser' is called 'Bag', then what would Arjun wear in sunny and hot day?

- (a) Eraser (b) Ball
(c) Pencil (d) Bag

97. Find the missing terms (?, ?) in the following series:

Z, X, V, T, R, ?, ?

- (a) P, N (b) M, N
(c) N, M (d) N, P

98. Find the missing terms (?) in the following series:

ADC, EHG, ILK, _____ ?

- (a) MPQ (b) NQP
(c) MPO (d) ORQ

99. Arrange the following words as they occur in the dictionary:

- (A) LIZARD (B) LEARN
(C) LITTER (D) LEAVE
(E) LESSON

Choose the correct option from the following:

- (a) (B), (D), (E), (A), (C)
(b) (C), (A), (D), (E), (B)
(c) (B), (D), (E), (C), (A)
(d) (B), (D), (C), (E), (A)

100. There is a certain relationship between two given word on the left side of (::). Choose the correct alternative for the missing word using the same relationship :

Moon : Satellite :: Earth : _____ ?

- (a) Sun (b) Star
(c) Planet (d) Solar System

GENERAL KNOWLEDGE

101. Read the following statements on how salt is made:

- I. Water is allowed to dry in the Sun.
- II. The sea water is collected in shallow beds dug in the sand.
- III. After the water dries the salt remains on the ground.

Choose the correct order of the statements to explain how salt is made:

- (a) II, I, III (b) I, II, III
(c) II, III, I (d) I, III, II

102. Why will a person not drown in the Dead Sea even if she does not know how to swim?

- (a) Because it has the saltiest water.
(b) Because there is no water.
(c) Because there is no air.
(d) Because it is sandy.

103. Which part of a plant absorbs water and nutrients from the soil?

- (a) Flower (b) Leaves
(c) Stem (d) Root

104. _____ is a type of drum which is used as Indian musical instrument.
 (a) Harmonium (b) Tanpura
 (c) Sitar (d) Tabla
105. _____ was the famous Indian Poet who wrote 'The Gitanjali'.
 (a) Rabindranath Tagore
 (b) Bankim Chandra Chattopadhyay
 (c) Subramania Bharati
 (d) Sarojini Naidu
106. 'Madhubani', a very old form of folk art is from which state in India?
 (a) Bihar (b) West Bengal
 (c) Chhattisgarh (d) Jammu and Kashmir
107. What is a 'drought'?
 (a) When the sudden shaking of ground causes a series of waves in the sea.
 (b) When there is land sliding occurred on the hills.
 (c) When there is no rain and crops may fail.
 (d) When heavy rains cause water to overflow.
108. What is the capital city of United Arab Emirates (UAE)?
 (a) Al Ain (b) Dubai
 (c) Abu Dhabi (d) Sharjah
109. The "Valley of Flowers" is located in which state of India?
 (a) Arunachal Pradesh
 (b) Ladakh
 (c) Uttarakhand
 (d) Himachal Pradesh
110. Who was the first man to step on the Moon?
 (a) John Young (b) David Scott
 (c) Neil Armstrong (d) Peter Conrad
111. Adding which of the following to water will make eggs float in the water?
 (a) Salt (b) Sugar
 (c) Chalk powder (d) Oil
112. In which year did the Dandi March take place, when Gandhiji with several other people went on a long walk from Ahmedabad to the Dandi seashore in Gujarat, to protest against the British Law?
 (a) 1930 (b) 1919
 (c) 1920 (d) 1929
113. What is the full form of SAARC?
 (a) South Asian Association for Regional Cooperation
 (b) South Americal Association for Regional Cooperation
 (c) South American Alliance for Rational Cooperation
 (d) South Asian Alliance for Regional Companies
114. Read the statements given below and choose the correct option:
Statement-I: Our stomach churns the food to digest it.
Statement-II: The food does not digest properly when we are sad.
 (a) Both statements are false.
 (b) Only statement I is true.
 (c) Only statement II is true.
 (d) Both statements are true.
115. Who are known as 'Kalbeliyas'?
 (a) People who make snake dance
 (b) People who sell old bottles and newspapers
 (c) People who do farming
 (d) People who catch fish from river.
116. The famous Indian King who built the Taj Mahal was..... :
 (a) Shah Jahan (b) Humayun
 (c) Babur (d) Akbar
117. Which instrument is used to measure temperature?
 (a) Telescope (b) Barometer
 (c) Microscope (d) Thermometer
118. _____ is the largest planet in our Solar system.
 (a) Uranus (b) Jupiter
 (c) Saturn (d) Earth
119. Which part of the human body helps us to breathe?
 (a) Liver (b) Brain
 (c) Lungs (d) Heart
120. Who was the first President of India?
 (a) Dr. Rajendra Prasad
 (b) Dr. Zakir Hussain
 (c) Mahatma Gandhi
 (d) V.V. Giri

121. Golconda Fort is located in which city?
 (a) Panjim (b) Hyderabad
 (c) Jaisalmer (d) Jodhpur
122. Who among the following found out that mosquitos spread malaria?
 (a) George Mestral
 (b) Ronald Ross
 (c) Gregor Mendel
 (d) Neil Armstrong
123. When one bee finds flowers with nectar, what does it do to let the other bees know where the nectar is?
 (a) By letting out a special smell
 (b) A special kind of dance
 (c) A special warning call
 (d) Electric signals
124. Karnam Malleshwari has won many medals in international events for which sport?
 (a) Kho-Kho (b) Kabaddi
 (c) Boxing (d) Weight Lifting
125. Who was the first Indian woman to reach at the peak of Mount Everest?
 (a) Bachhendri Pal
 (b) Wahida Prism
 (c) Kalpana Chawla
 (d) Sunita Williams

Solutions

- (c) **“Bouquet”** is the most suitable collective noun. The complete sentence will be **‘The students presented a bouquet of flowers to the distinguished guests.’**
- (b) **“whether, weather”** is the most appropriate answer. “Whether” is a conjunction used to show choices or possibilities and on the other hand, “weather” is a noun that refers to the atmospheric conditions like temperature, rain or sunshine. Using both words appropriately ensure the sentence is grammatically and contextually accurate.
- (a) **“vixen”** is the correct answer. The underlined word **‘fox’** is the masculine form. The feminine form of **‘fox’** is **“vixen.”**
- (d) **“Adverb”** is the right response. **‘Soon’** in the above sentence conveys when an action is about to take place. Words describing what, when, how and where an action takes place are **‘Adverbs.’**
- (b) **“formulae, sheep”** is the correct pair of plural nouns. The plural of **formula** (especially in scientific or mathematical contexts) is **formulae**. **Sheep** is an irregular noun — its plural form is also **sheep**, not sheeps.
- (c) **“decrease”** is the most appropriate opposite of **‘heighten.’** It is correct because **‘heighten** means to increase or raise something, while **‘decrease’** means to reduce or lower it. The other options suggest increasing or expanding, which are similar to **‘heighten,’** and not opposite of it.
- (d) **“death”** is the same in meaning to **‘demise.’** Both mean the **‘end of somebody/ something’s life.’**
- (d) **“as intelligent as”** is the correct answer, because the sentence is making a negative comparison. When we compare two things in a negative way, we use the structure **‘not as + adjective + as’** to show that one thing does not have the same quality as the other. In this case, the sentence is saying that no student in the class matches Mohit in intelligence. Therefore, the correct form is: **“There is not a student in our class as intelligent as Mohit.”** The other options are grammatically incorrect and do not follow the proper comparison structure.
- (c) **“Bravo”** is the most appropriate word that can be used in the sentence. It is an expression used to show pleasure and admiration when someone has done something well. The sentence shows appreciation, and **“Bravo!”** is used to applaud success. Other options like **‘Oops,’ ‘Oh,’** and **‘Alas’** don’t fit this positive context.

10. (c) **“cats and dogs”** is the correct idiom according to the sentence. **‘Raining cats and dogs’** means **‘to rain heavily.’** The other options are not the appropriate idioms.
11. (d) **“Past perfect”** is the appropriate tense. In the sentence, “Soham had sung a song,” the correct tense is past perfect because it uses the structure “had + past participle” (had sung). This tense is used to show an action completed before another past action. The other options are incorrect. **Option (a)** present perfect would use “has/have sung,” **Option (b)** past simple would be “sang,” and **Option (c)** present simple would be “sings” or “sing.”
12. (d) **“person, duty”** are the nouns in the above sentence as they name a being and a concept. The word ‘every’ is a determiner and ‘perform’ is a verb, so they are not nouns. Hence, options including **‘every’** or **‘perform’** are incorrect.
13. (a) **“whom”** is the most suitable word. The correct pronoun is “whom” because it functions as the object of the verb **‘admire’** in the sentence. The sentence implies that everyone admires her, so the relative pronoun must be in the object form, which is **“whom.”** **Option (b)** The pronoun ‘who’ is used for subjects, while **Option (c)** ‘which’ refers to things, not people. Although **Option (d)** ‘that’ can sometimes replace ‘who’ or ‘whom,’ it is less formal and less suitable when referring to a specific person like **‘the girl’** here.
14. (a) **“separate”** is the correct spelling. It means **‘apart, not together.’**
15. (c) The correct sequence of the sentences is **“2413,”** because the sentence starts with a general statement **‘It is believed that,’** followed by the subject **‘a pashmina shawl,’** then the comparison phrase **‘as warm as,’** and ends with what it is compared to, **‘six sweaters.’** This order creates a clear, meaningful sentence. The other options **(a, b and d)** don’t create a meaningful sequence, hence are incorrect.
16. (b) **“an, a”** are the correct articles that can be used in the sentence. **‘An’** is used before ‘intelligent’ (a vowel sound), and **‘a’** before ‘poor’ (a consonant sound).
17. (c) **“illegible”** is the correct response. **“Illegible”** means **‘not clear or readable’**, which perfectly matches the context of someone’s handwriting being difficult or impossible to read.
18. (a) **“was writing”** is the most appropriate tense used in the above sentence. **‘Was writing’** is used because the teacher’s action was ongoing when **‘I came.’** Other options suggest completed actions, which don’t fit the timeline.
19. (c) **“Their, there”** is the most suitable answer. **‘Their’** shows possession while **‘there’** refers to a place, so the correct structure is- **Their car is parked over there.**
20. (c) **“doesn’t he”** is the correct question tag for the given sentence. Since the statement **‘He works in school’** is positive and in the present simple tense, the question tag should be negative and use the auxiliary verb **‘does,’** forming **“doesn’t he.”**
21. (d) **“By talking about listener’s hobbies”** is the appropriate response. Talking about the listener’s hobbies shows genuine interest in what they like, which makes conversations enjoyable and helps build strong connections. This is why the passage says it’s the secret to popularity.
22. (c) **“Accessible”** means **‘Within reach.’** **“Accessible”** means something that is easy to approach or use. In the passage, conversation is described as a pleasure that costs nothing and is easy for everyone, making it **“accessible”** to all.
23. (a) **“Knowing how to say is not as important as what to say,”** is the incorrect statement. The author clearly states in the passage that both **‘what you say’** and **‘how you say’** matter in a good conversation.
24. (a) **“cultivate”** is the most suitable word. To **“cultivate”** good manners means to practice and develop them continuously. This fits well because children need to learn and grow good habits like politeness over time.
25. (b) **“Exchanging thoughts”** is the most teachable and easiest art it doesn’t require

special skills like painting or playing music. Almost everyone can talk and it can be learned and improved by practicing how to express thoughts clearly and showing interest in others.

26. (d) Let, the side of a square of a

The length of a rectangle be ℓ

The breadth of a rectangle be b

ATQ

Area of square = $(a)^2$

Area of rectangle = $\ell \times b$

$$a^2 = \ell \times b$$

$$30 \times 30 = \ell \times 25$$

$$\ell = \boxed{36 \text{ cm}}$$

27. (c) **ATQ**

$$\text{Gain\%} = \frac{\text{Selling price} - \text{Cost price}}{\text{Cost price}} \times 100$$

$$= \frac{31,200 - (15,600 + 14,400)}{(15600 + 14400)} \times 100$$

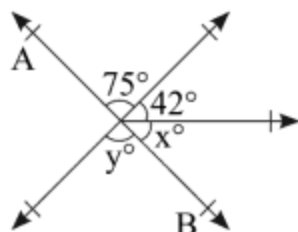
$$= \frac{31,200 - 30,000}{30,000} \times 100$$

$$= \frac{1200}{30,000} \times 100 = \boxed{4\%}$$

28. (d) Defective bulbs per 15 = 2

$$\text{So for 630 bulbs : } \frac{2}{15} \times 630 = \boxed{84}$$

29. (d)



$$\angle y = 75^\circ \quad [\text{Vertical opposite angle}]$$

AB is straight line so,

$$75^\circ + 42^\circ + x = 180^\circ$$

$$x = 63^\circ$$

$$\text{So, } x + y = 75 + 63 = \boxed{138^\circ}$$

30. (b) Statement I : Diagonals are equal in length and they bisect each other at 90° (Perpendicular)

So, statement I is true

Statement II : Diagonals are not necessarily equal and they are perpendicular, but unequal in length.

So, Statement II is false

Hence, only statement I is true.

31. (a) **ATQ**

$$a = 5 \text{ and } b = 15$$

$$\Rightarrow \left(\frac{a}{b} + 1\right) \frac{b}{a} + (b - a)$$

$$\Rightarrow \left(\frac{5}{15} + 1\right) \frac{15}{5} + (15 - 5)$$

$$\Rightarrow \left(\frac{1}{3} + 1\right) 3 + 10$$

$$\Rightarrow \frac{4}{3} \times 3 + 10 = 4 + 10 \Rightarrow \boxed{14}$$

32. (a) A woman bought 5 kg 640 gm potatoes
3 kg 37 gm onions
6 kg 8 gm tomatoes

$$\hline 14 \text{ kg } 685 \text{ gm}$$

[\because 1kg = 1000 gm]

Rotten tomatoes = 2 kg 45 gm

The weight of the vegetables she took home

$$= 14.685 \text{ kg} - 2.045 \text{ kg}$$

$$= \boxed{12.640 \text{ kg}}$$

33. (a) Cost of 1 envelope = $\frac{87.50}{35}$

$$= ₹2.5$$

$$\text{Number of envelopes} = \frac{730}{2.5}$$

$$= \boxed{292}$$

34. (d) Let the number be added be x

ATQ

$$\Rightarrow 179.08 + 20.17 + x = 512$$

$$\Rightarrow 199.25 + x = 512$$

$$\Rightarrow x = 512 - 199.25$$

$$= \boxed{312.75}$$

35. (c) Let the number of x

ATQ

$$\Rightarrow 48\% \text{ of } x = 120$$

$$\Rightarrow x \times \frac{48}{100} = 120$$

$$\Rightarrow x = \frac{120 \times 100}{48} = 250$$

$$\Rightarrow 170\% \text{ of } 250$$

$$\Rightarrow \frac{170}{100} \times 250 = \boxed{425}$$

36. (d) Perimeter of rectangle = 2 (length + breadth)

ATQ

$$\Rightarrow 2(700 + 500) = 2(1200) = 2400\text{m}$$

4 rounds of wire is to be fenced so, the length of the wire = 4×2400

$$= \boxed{9600 \text{ m}}$$

37. (a) Average = $\frac{\text{sum of terms}}{\text{number of terms}}$

ATQ

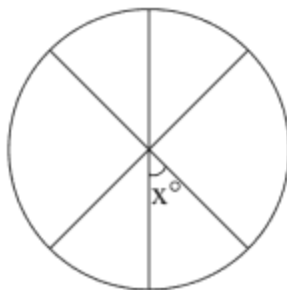
$$\Rightarrow 15 = \frac{15 + 12 + 17 + (x + 5) + (x - 1) + 22}{6}$$

$$\Rightarrow 2x + 70 = 15 \times 6$$

$$\Rightarrow 2x = 90 - 70$$

$$x = \frac{20}{2} = \boxed{10}$$

38. (d)



6 sectors of equal area form = 360°

$$\begin{aligned} \text{Angle formed by two adjacent radii} &= \frac{360^\circ}{6} \\ &= \boxed{60^\circ} \end{aligned}$$

39. (a) $\frac{2}{3} = 0.66$

$$\frac{1}{6} = 0.16$$

$$\frac{5}{9} = 0.55$$

$$\frac{7}{12} = 0.58$$

Ascending order = $0.16 < 0.55 < 0.58 < 0.66$

$$\Rightarrow \frac{1}{6} < \frac{5}{9} < \frac{7}{12} < \frac{2}{3}$$

40. (d) HCF of 1050, 750 and 425

Prime factorization

$$1050 = 2 \times 3 \times \underline{5} \times \underline{5} \times 7$$

$$750 = 2 \times 3 \times \underline{5} \times \underline{5} \times 5$$

$$425 = \underline{5} \times \underline{5} \times 17$$

$$\text{HCF} = 5 \times 5 = \boxed{25}$$

41. (d) (A) \rightarrow 12 is divisible by 4 but not divisible by 8

[False]

(B) \rightarrow 3 and 5 are co-prime, so any number divisible by both is divisible by their LCM = 15

[True]

(C) \rightarrow 24 is divisible by 2 and 8 but not divisible by 16 [False]

(D) \rightarrow Let two consecutive odd numbers be:

$$2n + 1 \text{ and } 2n + 3$$

their sum = $2n + 1 + 2n + 3 = 4n + 4 = 4(n + 1)$ which is divisible by 4.

[True]

Hence, only (B) and (D) are true.

42. (c) $\text{SI} = \frac{P \times R \times T}{100}$

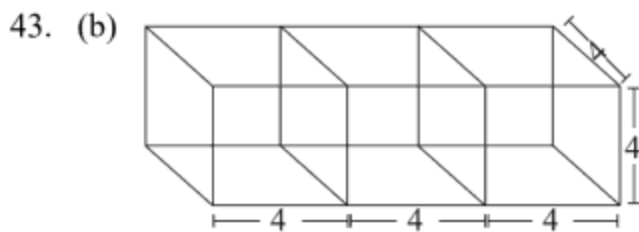
ATQ

$$\text{A : SI} = \frac{3500 \times 4 \times 3}{100} = \frac{42000}{100} = ₹420$$

$$\text{B : SI} = \frac{4200 \times 5 \times 2}{100} = \frac{42000}{100} = ₹420$$

$$\text{C : SI} = \frac{2800 \times 5 \times 3}{100} = \frac{42000}{100} = ₹420$$

Hence, all three A, B and C have to pay ₹420 each as simple interest.



$$\begin{aligned} \text{Volume of cuboid} &= l \times b \times h \\ &= 4 \times 4 \times (4 + 4 + 4) \\ &= 16 \times 12 \\ &= \boxed{192 \text{ cm}^3} \end{aligned}$$

44. (b) Prime number : A number that can only be divided by itself and 1 without remainders and should be greater than 1.

Hence, '41' is a prime number and has only two factors 1 and the number itself. ie;

$$41 \rightarrow 1 \times 41.$$

45. (a) Perimeter of the figure:
 $\Rightarrow 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3$
 $\Rightarrow \boxed{36 \text{ cm}}$

46. (a) A, B and D statement are not true.

47. (d) $3958 - *7* = 3*8*$

\Rightarrow '4' satisfies the condition because * should same is every place

$$\begin{array}{r} 3958 \quad \quad 3958 \\ - *7* \quad \Rightarrow \quad -474 \\ \hline 3*8* \quad \quad \quad 3484 \end{array}$$

48. (c) LCM of 25, 40 and 60.

$$25 \rightarrow 5 \times 5$$

$$40 \rightarrow 2 \times 2 \times 2 \times 5$$

$$60 \rightarrow 2 \times 2 \times 3 \times 5$$

$$\text{LCM} = 2 \times 2 \times 2 \times 3 \times 5 \times 5 = 600$$

Least number which when divided by 25, 40 and 60 leaves remainder 9 in each case will be
 $= 600 + 9$

$$= \boxed{609}$$

49. (a) Statement I : It is a 'chord' a line segment with both end points on the circle not secant. [False]

Statement II : It is a diameter, which passes through the center not 'chord' [False]

Hence, both statements are false.

- 50 (d) Cost of coffee : ₹24 \rightarrow 100 gm

$$\begin{array}{ccc} & \times 10 & \times 10 \\ \downarrow & & \downarrow \\ \text{₹}240 & \rightarrow & 1000 \text{ gm [1 kg]} \end{array}$$

Cost of tea : ₹180 \rightarrow 1000 gm [1 kg]

Ratio of coffee and tea :

$$240 : 180$$

$$\boxed{4 : 3}$$

51. (c) Anil exercised = $\frac{2}{3} \times 60 = 40$ minutes

$$\text{Ram exercised} = \frac{3}{4} \times 60 = 45 \text{ minutes}$$

$$\text{Chetan exercised} = \frac{1}{5} \times 60 = 12 \text{ minutes}$$

$$\text{Dharm exercised} = \frac{5}{6} \times 60 = 50 \text{ minutes}$$

\therefore 'Dharm' exercised for maximum time.

52. (c) Volume of cube = (side)³

$$\text{Volume of cuboid} = \ell \times b \times h$$

ATQ

$$\text{Volume of cube} = \text{Volume of cuboid}$$

$$(6)^3 = 9 \times 8 \times h$$

$$216 = 9 \times 8 \times h$$

$$h = \frac{216}{9 \times 8} = \boxed{3 \text{ cm}}$$

53. (d) Greatest 5 digit number = 99999

$$\text{Smallest 5 digit number} = 10000$$

Total number of 5 digits number (99999 - 10000 + 1)

$$= \boxed{90,000}$$

54. (a) Convert roman numerals to numbers.

$$\text{LXXIX} = \text{L}(50) + \text{XX}(20) + \text{IX}(9) = 79$$

$$\text{XXXIX} = \text{XXX}(30) + \text{IX}(9) = 39$$

$$\Rightarrow 79 - 39 = 40$$

$$40 \text{ in Roman numerals} = \boxed{\text{XL}}$$

55. (c) Distance = speed \times time

ATQ

$$\Rightarrow 65 \times \frac{180}{60} [1 \text{ hour} = 60 \text{ minutes}] = \boxed{195 \text{ km}}$$

56. (c) 446 in Roman numerals
 $= \boxed{\text{CD} \times \text{LVI}}$ [D = 500, C : 100]
57. (d) Reading rate = $\frac{5}{7} \div 5 = \frac{1}{7}$ per hour
 Part read in 2 hours = $2 \times \frac{1}{7} = \boxed{\frac{2}{7}}$
58. (c) $32 + 16 \div 4 - 2 \times 3$
 $\Rightarrow 32 + 4 - 6 = \boxed{30}$
59. (b) $\Rightarrow \frac{2}{5} + \frac{7}{8}$
 $\Rightarrow \frac{16 + 35}{40} = \frac{51}{40}$
 $= \boxed{1.275}$
60. (d) Each chair costs = ₹1065
 50 chair costs = $50 \times 1065 = ₹53250$
 Each blackboards costs = ₹1645
 30 blackboards costs = 30×1645
 $= ₹49350$
 The total amount of the bill = ₹53250 + ₹49350
 $= \boxed{₹1,02,600}$
61. (d) $\Rightarrow 3 - \frac{4}{5} + (?) - \frac{7}{15} = 2\frac{2}{5}$
 $\Rightarrow 3 - \frac{4}{5} - \frac{7}{15} + (?) = \frac{12}{5}$
 $\Rightarrow ? = \frac{12}{5} - \frac{3}{1} + \frac{4}{5} + \frac{7}{15}$
 $\Rightarrow ? = \frac{36 - 45 + 12 + 7}{15}$
 $= \frac{10}{15} = \boxed{\frac{2}{3}}$
62. (d) **ATQ**
 \rightarrow One angle is half of a right angle
 $\frac{1}{2} \times 90 = \boxed{45^\circ}$
 \rightarrow Another angle is 15° more than $\frac{1}{3}$ of a right angle

$$= \frac{1}{3} \times 90 + 15 = \boxed{45^\circ}$$

Sum of angles in a triangle = 180°

Third angle = $180 - (45 + 45)$

$$= 180 - 90 = \boxed{90^\circ}$$

Hence, It is a right angled triangle with two sides are equal. It is a isosceles right angle triangle.

63. (c) Percentage change = $\frac{72 - 15}{15} \times 100$

$$= \frac{57}{15} \times 100$$

$$= \boxed{380\%}$$

64. (a) Let the cost price of the item be 100%
ATQ

Selling price : $(100 - 20)\% = ₹ 5840$

$$80\% = ₹5840$$

$$\text{Cost price} = \frac{5840}{80} \times 100$$

$$= \boxed{₹ 7300}$$

65. (c) Complete angle = 360°

$$\text{Half of a right angle} = \frac{90}{2} = 45^\circ$$

$$5 \text{ times of half of a right angle} = 5 \times 45 = 225^\circ$$

$$\text{Required angle} = 360 - 225 = \boxed{135^\circ}$$

Hence, 135° is greater than 90° but less than 180° so, it is an obtuse angle.

66. (b) A rod of length 15 m 8 cm.

convert it into cm.

$$= 15 \times 100 + 8 \quad [\because 1 \text{ m} = 100 \text{ cm}]$$

$$= 1508$$

$$\text{Divide it in 4 equal parts} = \frac{1508}{4} = 377 \text{ cm}$$

$$= \frac{377}{100} = \boxed{3.77 \text{ m}}$$

67. (d) $0.009 + 9.09 + 0.9009 - 0.09$

$$\Rightarrow 9.9999 - 0.09$$

$$= \boxed{9.9099}$$

68. (a) Distance = speed \times time

$$= 120 \times \frac{40}{60} = 80 \text{ km}$$

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

$$= \frac{80}{150} \times 60 = 32 \text{ minutes}$$

Less time it will take to cover the same

$$\text{distance} = 40 - 32 = \boxed{8 \text{ minutes}}$$

69. (c) Convert 50°F to $^\circ\text{C}$

using formula :

$$^\circ\text{C} = \frac{5}{9} \times (^\circ\text{F} - 32)$$

$$= \frac{5}{9} \times (50 - 32)$$

$$= 10^\circ \text{C}$$

$$\text{Difference} = 25^\circ\text{C} - 10^\circ\text{C}$$

$$= \boxed{15^\circ\text{C}}$$

70. (c) Two times of one-fifth of a right angle:

$$2\left(\frac{1}{5} \times 90^\circ\right) = 36^\circ$$

Complementary angles sum to 90°

$$\text{so the complement of } 36^\circ = 90 - 36 = 54^\circ$$

Supplementary angles sum to 180°

$$\text{so the supplement of } 54^\circ = 180 - 54 = \boxed{126^\circ}$$

71. (d) Anita's case:

$$\text{using formula : SI} = \frac{P \times R \times T}{100}$$

$$850 = \frac{P \times 5 \times 4}{100}$$

$$P = ₹ 4250$$

Sunita's case:

$$840 = \frac{P \times 4 \times 6}{100}$$

$$P = ₹ 3500$$

$$\text{Difference of sum invested} = ₹ 4250 - ₹ 3500$$

$$= \boxed{₹ 750}$$

72. (c) All prime numbers between 1 to 60 :

2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59.

Numbers unit digit is 3:

3, 13, 23, 43, 53

$$\text{Sum of these numbers} = 3 + 13 + 23 + 43 + 53$$

$$= \boxed{135}$$

73. (c) Statement I : A line has two end points this statement is false because it can extend infinitely in both directions and has no end points, line segment has two end points.

Statement II: Two lines either intersect or are parallel. It is always true in three-dimensional or 2-dimensional space. So this statement is true

Hence, only statement II is true.

74. (c) Cloth left = Total cloth - (Cloth used for Kurta + Cloth used for Pyjamas)

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


$$= \frac{15}{4} - \left(\frac{5+4}{6}\right)$$

$$= \frac{15}{4} - \frac{3}{2} = \frac{15-6}{4} = \frac{9}{4} = \boxed{2\frac{1}{4}\text{m}}$$

75. (d) Average = $\frac{\text{Total marks of students}}{\text{Number of students}}$

$$= \frac{(5 \times 12) + (7 \times 18)}{5 + 7}$$

$$= \frac{60 + 126}{12} = \frac{186}{12} = \boxed{15.5}$$

76. (c) E, J, O, T, Y


77. (b) Except Tomato, all others are vegetables.

\therefore Tomato is a fruit not a vegetables

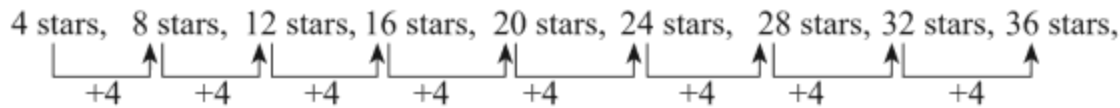
78. (a) Except 146, all others are squares of numbers

$$\rightarrow 36 = (6)^2$$

$$\rightarrow 64 = (8)^2$$

$$\rightarrow 100 = (10)^2$$

79. (d) Stars are increasing by 4 in every next pattern



Hence, the number of stars in pattern 9 will be 36.

80. (d)

A	B	C	D
+10 ↓	+10 ↓	+10 ↓	+10 ↓
K	L	M	N

Similarly,

G	H	I	J
+10 ↓	+10 ↓	+10 ↓	+10 ↓
Q	R	S	T

81. (c) $24 : \frac{24-2}{2} = 11 :: 64 : \frac{64-2}{2} = \boxed{31}$

82. (d) $4 + 2 = 6$

$40 + 20 = 60$

$400 + \text{😊} = 600$

$\text{😊} = 600 - 400 = 200$

And, $\text{😞} + \text{😞} + 2000 = 6000$

$2 \times \text{😞} = 6000 - 2000$

$\text{😞} = \frac{4000}{2} = 2000$

So, $\text{😞} + \text{😊} + 2$

$\Rightarrow 2000 + 200 + 2 = \boxed{2202}$

83. (d) $B A T \rightarrow 2 + 1 + 20 = 23$

$D O G \rightarrow 4 + 15 + 7 = \boxed{26}$

Note: Alphabetical place value.

84. (d) 5, 10, 20, 35, $\boxed{55}$, 80

85. (a) figure is rotating clockwise 90° .



86. (a) $7 \times 6 = \frac{42}{3} = 14$

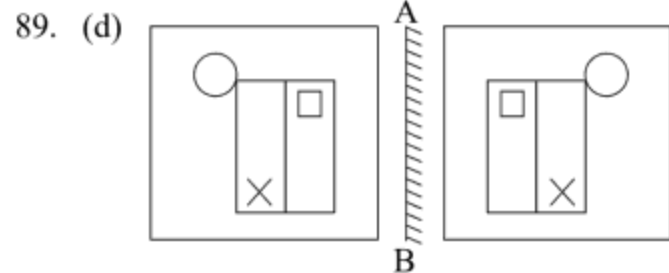
$9 \times 2 = \frac{18}{3} = 6$

Similarly, $6 \times 4 = \frac{24}{3} = \boxed{8}$

87. (b) Logical sequence from big to small
Whale, Elephant, Lion, Cat, Honey-bee
D, C, E, A, B

88. (b) A meaningful word using R, I, P, L, A each of them using only once i.e., APRIL.

Hence, it is a 'month'.



90. (a) $B \xrightarrow{+2} D \xrightarrow{+3} G \xrightarrow{+3} J$

$R \xrightarrow{+2} T \xrightarrow{+2} V \xrightarrow{+2} X$

$M \xrightarrow{+2} O \xrightarrow{+2} Q \xrightarrow{+2} S$

$G \xrightarrow{+2} I \xrightarrow{+2} K \xrightarrow{+2} M$

91. (a)

Wednesday

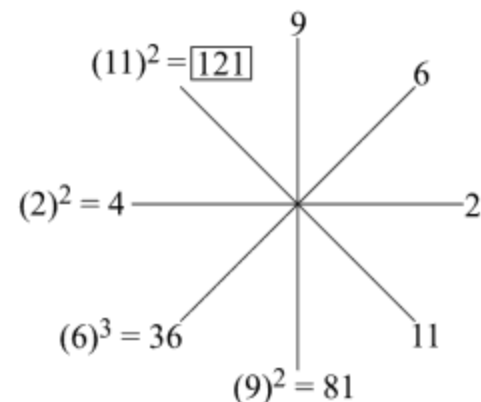
Yesterday	Today	Tomorrow
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 Sunday

Thursday Friday Saturday

\therefore 'Sunday' is the day after tomorrow.

92. (d)

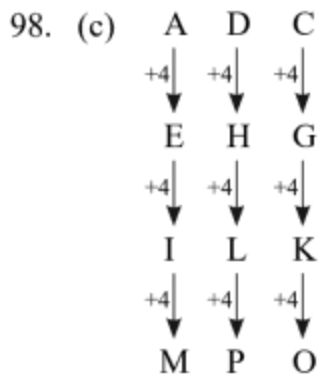
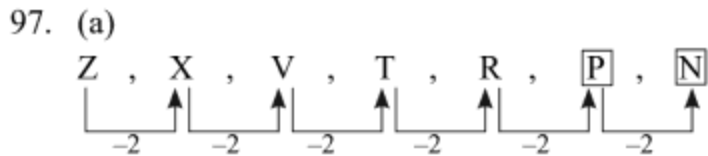


93. (c) $a \underline{b} ab/a \underline{b} a \underline{b}/a \underline{b} ab$
 $\therefore b b a b$ are the missing letters and the pattern is $ab ab ab \dots$

94. (d) Except figure (d) $\begin{bmatrix} \theta & \theta \\ \beta & \beta \end{bmatrix}$, all other figure have same symbols on diagonals $\begin{bmatrix} \Delta & O \\ O & \Delta \end{bmatrix}$

95. (d) $\Rightarrow \frac{3 \times 2 + 8}{2} = \frac{14}{2} = 7$
 $\Rightarrow \frac{15 \times 2 + x}{2} = \frac{30 + x}{2} = 35$
 $30 + x = 70$
 $x = 40$
 $\Rightarrow \frac{27 \times 2 + 72}{2} = \frac{54 + 72}{2} = \frac{126}{2} = 63$

96. (c) Arjun wear 'Cap' in sunny and hot day and cap is called pencil.
Hence, 'Pencil' is the correct answer.



99. (c) Learn, Leave, Lesson, Litter, Lizard
B, D, E, C, A

100. (c) As, Moon is a satellite of earth [natural satellite]
Similarly, Earth is a planet.

101. (a) The correct order of the statements to explain how salt is made is:

- The sea water is collected in shallow beds dug in the sand.
- Water is allowed to dry in the sun.

- After the water dries the salt remains on the ground.

Therefore, the correct answer is (1) II, I, III.

102. (a) A person will not drown in the Dead Sea, even if they do not know how to swim, because it has the saltiest water. The high salt concentration in the Dead Sea significantly increases the water's density, making it much easier for objects, including people, to float.

103. (d) The part of a plant that absorbs water and nutrients from the soil is the root. Specifically, root hairs, which are tiny extensions of root cells, are primarily responsible for this absorption.

104. (d) Tabla is a type of drum used as an Indian musical instrument. It is a pair of hand-played drums, with the smaller drum called dayan and the larger one called bayan. Tabla is a percussion instrument commonly used in Hindustani classical music and can be played solo, as accompaniment, or in ensembles.

105. (a) Rabindranath Tagore was the famous Indian poet who wrote 'The Gitanjali'. He was the first Indian writer to win a Nobel Prize in Literature in 1913 for this work. Tagore, also known as a writer, painter, and composer, is considered a key figure of the Bengal Renaissance.

He composed India's national anthem, 'Jana Gana Mana,' and Bangladesh's national anthem, 'Amar Shonar Bangla'.

106. (a) 'Madhubani', also known as Mithila painting, is a traditional folk art form originating from the Mithila region of Bihar, India. It is one of the oldest and most famous Indian art forms. The art is known for its intricate designs, vibrant colours, and depictions of nature, mythology, and daily life.

107. (c) Drought is a prolonged period of little or no rainfall, which leads to a shortage of water. This lack of water affects agriculture, the environment, and the economy. Crops may fail due to insufficient water, and drinking water sources may dry up. It is a slow-onset natural

disaster, unlike earthquakes or floods, which happen suddenly.

Let's break down the other options:

- (a) When the sudden shaking of the ground causes a series of waves in the sea. This describes a tsunami, which is usually caused by an undersea earthquake.
- (b) When there is land sliding occurred on the hills. This describes a landslide, not a drought.
- (d) When heavy rains cause water to overflow. This describes a flood, which is the opposite of a drought.

The correct answer is (c) - When there is no rain and crops may fail.

108. (c) The capital city of the United Arab Emirates (UAE) is Abu Dhabi. The UAE is a federation of seven emirates: Abu Dhabi, Dubai, Sharjah, Ajman, Ras Al-Khaimah, Umm Al-Quwain, and Fujairah. Abu Dhabi is the largest of these emirates and serves as the political, cultural, and economic centre of the country.
109. (c) The "Valley of Flowers" is located in Uttarakhand, India. It is situated in the Chamoli district of the Garhwal region in the western Himalayas. The valley is a UNESCO World Heritage Site and a national park, known for its meadows of alpine flowers.
110. (c) The first man to step on the Moon was Neil Armstrong. He landed on the moon on July 20, 1969, as part of the Apollo 11 mission. His famous words upon stepping onto the lunar surface were, "That's one small step for a man, one giant leap for mankind".
111. (a) Adding salt to water will make an egg float. This is because salt increases the density of the water, making it easier for the egg to float.
112. (a) The Dandi March, also known as the Salt Satyagraha, took place in 1930. It began on March 12, 1930, and concluded on April 6, 1930. During this event, Mahatma Gandhi, along with approximately 78 followers, walked

from Sabarmati Ashram near Ahmedabad to Dandi, a coastal village in Gujarat, to protest the British salt tax.

113. (a) The full form of SAARC is the South Asian Association for Regional Cooperation. It was established on December 8, 1985, with its secretariat in Kathmandu, Nepal. SAARC has eight member countries: Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, and Sri Lanka. SAARC aims to promote economic and regional integration among its member countries.
114. (d) The stomach churns food to digest it. The stomach is a muscular organ that churns and mixes food with digestive juices, physically breaking it down. Food does not digest properly when a person is sad. Emotional states, such as sadness, can affect digestion.
- The correct answer is (d) Both statements are true.
115. (a) Kalbeliyas are known as people who perform the snake dance. The Kalbeliya, a Rajasthani tribe, are traditionally snake charmers, and their dance movements and costumes resemble those of snakes. The Kalbeliya dance and songs are recognised by UNESCO as an Intangible Cultural Heritage.
116. (a) The famous Indian King who built the Taj Mahal was Shah Jahan. The Taj Mahal, a white marble mausoleum in Agra, was commissioned by Shah Jahan in 1632 in memory of his wife Mumtaz Mahal and was completed in 1648. It is considered a masterpiece of Mughal architecture and one of the most beautiful buildings in the world.
117. (d) The instrument used to measure temperature is a thermometer. Other instruments listed serve different purposes:
- Telescope: Used to view distant objects.
 - Barometer: Measures atmospheric pressure.
 - Microscope: Used to view small objects or structures.

118. (b) Jupiter is the largest planet in the Solar System. It has an equatorial diameter of 88,846 miles (about 142,984 kilometres), which is about 11 times the diameter of the Earth. It's about five times farther from the Sun than Earth.

119. (c) The part of the human body that primarily helps with breathing is the lungs. The lungs are the main organs of the respiratory system, facilitating the exchange of oxygen and carbon dioxide. When a person inhales, air enters the lungs, and oxygen is absorbed into the blood.

120. (a) Dr. Rajendra Prasad was the first President of India. He served from 1950 to 1962 and is the only president to have served two full terms in office. He was a prominent freedom fighter, a scholar, and played a major role in shaping independent India.

Let's look at the other options:

(b) Dr. Zakir Hussain – He was the third President of India and the first Muslim President.

(c) Mahatma Gandhi – He was a great leader of the Indian independence movement, but he was never the President of India.

(d) V.V. Giri – He was the fourth President of India.

121. (b) Golconda Fort is located in Hyderabad, Telangana, India. It was originally known as Mankal, and built on a hilltop in the year 1143. It was originally a mud fort under the reign of

Raja of Warangal. Later it was fortified between 14th and 17th centuries by the Bahmani Sultans and then the ruling Qutub Shahi dynasty. Golconda was the principal capital of the Qutub Shahi kings. The fort is about 9 km from Hussain Sagar Lake in Hyderabad.

122. (b) Ronald Ross discovered that mosquitoes spread malaria. In 1897, Ross found the malaria parasite in the stomach of a specific species of mosquito after having the mosquito bite malaria-infected individuals. For this discovery, he was awarded the Nobel Prize in Physiology or Medicine in 1902.

123. (b) When a bee discovers flowers with nectar; it communicates this information to other bees through a special kind of dance known as the waggle dance. This dance conveys the location, distance, and quality of the nectar source.

124. (d) Karnam Malleshwari has won many medals in international events for Weightlifting. She was born in Andhra Pradesh's Voosavanipeta hamlet; Karnam Malleswari began her training in the sport at the age of 12. She is the first Indian woman to win an Olympic medal, securing a bronze at the 2000 Sydney Olympics.

125. (a) The first Indian woman to reach the peak of Mount Everest was Bachendri Pal on May 23, 1984. She was the fifth woman in the world to achieve this feat. In 2019, the Government of India awarded her the Padma Bhushan, the country's third-highest civilian award.