

**GOVERNMENT OF MIZORAM
PRISONS, HOME DEPARTMENT**

**COMPETITIVE EXAMINATION FOR RECRUITMENT TO
THE POST OF WARDER (PE)
(AUGUST-2026)**

**PAPER-II
(SIMPLE ARITHMETIC, GENERAL INTELLIGENCE &
REASONING)**

Full Marks : 200
Time Allowed : 3 Hours

Signature of Invigilator _____

CODE :

(For official use)

SUBJECT	MARK CARRIED BY EACH QUESTION / TOPIC	NO. OF CORRECT ANSWERS	MARKS OBTAINED
Simple Arithmetic	2		
General Intelligence & Reasoning	2		
TOTAL			

Signature of Examiner : _____

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All questions carry equal mark of 2 each. Attempt all questions.

Put a tick (✓) mark against the correct answer in the space given in each question.

If a candidate gives more than one answer to one question, it will be treated as wrong answer even if one of the given answers happens to be correct.

SIMPLE ARITHMETIC - 100 MARKS

1. The marked price of a shirt is ₹ 2000. A man bought the same for ₹ 1598 after getting two successive discounts. The first being 15%. What was the second discount rate?
(a) 4% ()
(b) 5% ()
(c) **6%** ()
(d) 7% ()
2. A sum of money will become double its original value in 8 years at simple interest. What is the annual rate of interest?
(a) 10.5% ()
(b) **12.5%** ()
(c) 14.5% ()
(d) 15.5% ()
3. If the fractions $\frac{2}{5}$, $\frac{3}{8}$, $\frac{4}{9}$ and $\frac{5}{13}$ are arranged in ascending order of their values, which one is the Second?
(a) $\frac{2}{5}$ ()
(b) $\frac{3}{8}$ ()
(c) $\frac{4}{9}$ ()
(d) $\frac{5}{13}$ ()
4. The cost of 2 pencils and 4 pens is ₹ 35. What is the cost of 6 pencils and 12 pens?
(a) **₹ 105** ()
(b) ₹ 100 ()
(c) ₹ 115 ()
(d) ₹ 110 ()

5. The cost price of one banana is ₹ 10. Thanga bought 80 bananas. He sold 35 bananas for ₹ 380 and remaining for ₹ 460. His profit or loss percent is:
- (a) loss 5% ()
- (b) profit 5%** ()
- (c) loss 3% ()
- (d) profit 3% ()
6. The sum of four consecutive odd numbers is 496, which is the smallest of the numbers:
- (a) 97 ()
- (b) 115 ()
- (c) 121** ()
- (d) 133 ()
7. $(5\sqrt{7} + 2\sqrt{7})(6\sqrt{7} + 3\sqrt{7}) = ?$
- (a) 401 ()
- (b) 415 ()
- (c) 427 ()
- (d) 441** ()
8. Rini sells two toys for ₹ 2,160 each, one at a profit of 20% and other at a loss of 20%. Find her gain or loss in terms of rupees(₹)?
- (a) loss ₹ 180** ()
- (b) gain ₹ 180 ()
- (c) loss ₹ 150 ()
- (d) gain ₹ 150 ()
9. On a sum of money, if the difference between simple interest and compound interest, both at 15% is ₹ 45 in two years. What is the principal amount?
- (a) ₹ 1,000 ()
- (b) ₹ 1,500 ()
- (c) ₹ 2,000** ()
- (d) ₹ 2,500 ()
10. Divide ₹ 6,860 among David and Rita in the Ratio of 4 : 3. Find David's share:
- (a) ₹ 2,940 ()
- (b) ₹ 3,460 ()
- (c) ₹ 3,780 ()
- (d) ₹ 3,920** ()
11. The cost price of 48 mangoes is equal to the selling price of 40 mangoes. What is the profit % ?
- (a) 20%** ()
- (b) 22.5% ()
- (c) 25% ()
- (d) 27.5% ()

12. 60% of $\left(\frac{1}{13} \times 2925 + \frac{5}{18} \times 2070\right) = ?$

- (a) 360 ()
(b) **480** ()
(c) 520 ()
(d) 660 ()

13. $(84)^2 \div \sqrt{?} = 168$

- (a) 1521 ()
(b) 1681 ()
(c) **1764** ()
(d) 1936 ()

14. Two successive discounts of 10% and 10% is equivalent to a single discount of:

- (a) 22% ()
(b) 18% ()
(c) 20% ()
(d) **19%** ()

15. A sum of money at simple interest amounts to ₹ 1,694 in 3 years and ₹ 1,810 in 5 years. The sum is:

- (a) ₹ 1,440 ()
(b) ₹ 1,480 ()
(c) **₹ 1,520** ()
(d) ₹ 1,560 ()

16. Which one of the following is a prime number:

- (a) 51 ()
(b) **61** ()
(c) 81 ()
(d) 91 ()

17. Find the amount on ₹ 12,500 at 16% per annum for 6 months, compounded quarterly:

- (a) **₹ 13,520** ()
(b) ₹ 13,840 ()
(c) ₹ 14,000 ()
(d) ₹ 14,240 ()

18. $\sqrt{?} + 27 = \sqrt{961}$.

- (a) 9 ()
(b) **16** ()
(c) 25 ()
(d) 36 ()

19. Paul's monthly income is 88% of Robert's monthly income. Their difference between their monthly income is ₹ 10,800. What is Paul's monthly income?
- (a) ₹ 78,400 ()
(b) ₹ 78,900 ()
(c) ₹ 79,200 ()
(d) ₹ 79,800 ()
20. Rocky invests ₹ 16,560, which is 18% of his monthly income in insurance policies. What is his monthly income?
- (a) ₹ 92,000 ()
(b) ₹ 95,000 ()
(c) ₹ 98,000 ()
(d) ₹ 1,01,000 ()
21. $(333.33 + 33.33 + 3333.34) \div 50 = ?$
- (a) 56 ()
(b) 62 ()
(c) 68 ()
(d) 74 ()
22. The marked price of a machine is ₹ 45,000, the shopkeeper offered a discount of 6%. Find the selling price of a machine.
- (a) ₹ 42,300 ()
(b) ₹ 42,500 ()
(c) ₹ 42,700 ()
(d) ₹ 42,900 ()
23. In a class of 124 students, 75% students passed in their examination. How many students have failed?
- (a) 25 ()
(b) 28 ()
(c) 31 ()
(d) 34 ()
24. A bike can finish a certain journey in 9 hours at the speed of 70 km/hr. In order to cover the same distance in 6 hours, the speed of the bike(in km/hr) must be increased by _____.
- (a) 30 km/hr ()
(b) 35 km/hr ()
(c) 40 km/hr ()
(d) 45 km/hr ()
25. If a person walk at 13 km/hr instead of 10 km/hr, he would have walked 12 km more. The actual distance travelled by him is:
- (a) 28 km ()
(b) 32 km ()
(c) 36 km ()
(d) 40 km ()

26. 'A' can do a work in 12 days and 'B' in 15 days. If they work on it together for 5 days, then the fraction of the work that is left is:
- (a) $\frac{1}{5}$ ()
- (b) $\frac{1}{4}$ ()
- (c) $\frac{1}{3}$ ()
- (d) $\frac{1}{2}$ ()
27. 20 men complete the work in 12 days. After they have work for 8 days, 4 men left. How many days will they take to complete the remaining work?
- (a) 3 days ()
- (b) 4 days ()
- (c) **5 days** ()
- (d) 6 days ()
28. The sum of all the factors of 28 is:
- (a) **56** ()
- (b) 54 ()
- (c) 52 ()
- (d) 48 ()
29. The length of a rectangle is 2 times its breadth and the perimeter of the rectangle is 24 cm. Find its area:
- (a) 18 cm^2 ()
- (b) **32 cm^2** ()
- (c) 50 cm^2 ()
- (d) 72 cm^2 ()
30. 54 km/hr is equal to:
- (a) 24 m/sec ()
- (b) 20 m/sec ()
- (c) 18 m/sec ()
- (d) **15 m/sec** ()
31. Daisy started a small business investing an amount of ₹ 42,000. Five months later Alicia joined her with an amount of ₹ 64,000. At the end of one year they earned a profit of ₹ 23,800. What is Daisy's share in the profit?
- (a) ₹ 11,800 ()
- (b) ₹ 12,200 ()
- (c) **₹ 12,600** ()
- (d) ₹ 13,000 ()

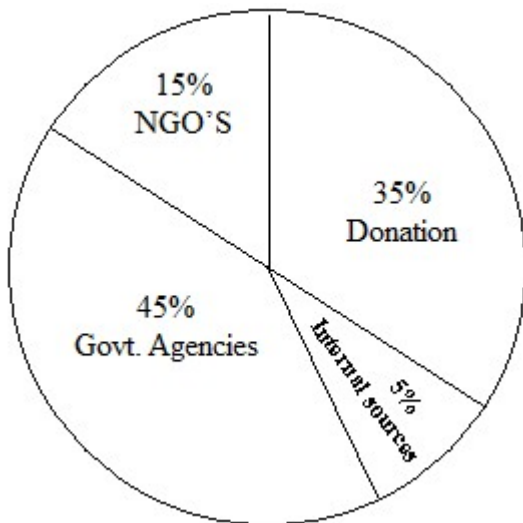
32. What will be the ratio of simple interest earned by certain amount at the same rate of interest for 9 yr and 15 yr?
- (a) **3 : 5** ()
- (b) 4 : 5 ()
- (c) 5 : 7 ()
- (d) 6 : 7 ()
33. At what rate of compound interest will ₹ 10,000 become ₹ 13,310 after 3 years?
- (a) 5% ()
- (b) **10%** ()
- (c) 15% ()
- (d) 20% ()
34. What is the value of three fourth of 75 percent of 560?
- (a) 305 ()
- (b) 307 ()
- (c) 313 ()
- (d) **315** ()
35. What is the difference between the simple interest and compound interest earned from a sum of ₹ 62,500 at a rate of 8 percent per annum for a period of 2 years?
- (a) ₹ 200 ()
- (b) ₹ 300 ()
- (c) **₹ 400** ()
- (d) ₹ 500 ()
36. A sum of money is divided among A and B in the ratio of 8 : 7. Then A's share is ₹ 37,040. Find the value of B's share.
- (a) **₹ 32,410** ()
- (b) ₹ 32,610 ()
- (c) ₹ 32,810 ()
- (d) ₹ 33,010 ()
37. The ratio between the boys and the girls in a class is 4 : 5. If 4 more boys join the class and 4 girls leave the class then the number of boys is equal to the number of girls. What is the number of boys in the class now?
- (a) 28 ()
- (b) **32** ()
- (c) 36 ()
- (d) 40 ()
38. Kevin spends ₹ 35,000 of his monthly income on food and ₹ 10,000 of the monthly income on transport. Remaining 25% he saves. What is his monthly income?
- (a) ₹ 50,000 ()
- (b) ₹ 55,000 ()
- (c) **₹ 60,000** ()
- (d) ₹ 65,000 ()

39. Average age of Sangi, Hlui and Mami is 35 years. Average age of Sangi and Hlui is 38 years, then find Mami's age:
- (a) 38 years ()
- (b) 35 years ()
- (c) 32 years ()
- (d) **29 years** ()
40. If $a : b = 4 : 5$ and $b : c = 7 : 9$ If $c = 135$, then what is the value of a ?
- (a) **84** ()
- (b) 88 ()
- (c) 92 ()
- (d) 96 ()
41. What will be the average of the first 5 two digit prime numbers?
- (a) 14.4 ()
- (b) 15.5 ()
- (c) **16.6** ()
- (d) 17.7 ()
42. In how many distinguishable ways can the letters in BANANA be written? so that the vowels always come together?
- (a) 40 ()
- (b) 50 ()
- (c) **60** ()
- (d) 70 ()
43. 13 buses are running between two place Bawngkawn and Kulikawn. In how many ways can a person go from Bawngkawn to Kulikawn and return by a different bus?
- (a) 126 ()
- (b) 136 ()
- (c) 146 ()
- (d) **156** ()
44. The height of a tree is equal to the shadow of a tree. The angle of elevation is:
- (a) 30° ()
- (b) **45°** ()
- (c) 60° ()
- (d) 90° ()
45. The area of a square is twice the area of a circle. The area of circle is 242 cm^2 . What is the length of the side of the square?
- (a) **22 cm** ()
- (b) 24 cm ()
- (c) 26 cm ()
- (d) 28 cm ()

46. A solid circular cylinder radius 21 cm and height 28 cm is melted and recast into a spherical balls of radius 7 cm. How many sperical balls thus formed?
- (a) 21 ()
- (b) 27 ()
- (c) 36 ()
- (d) 49 ()
47. The angle of elevation of a ladder leaning against a wall is 60° and the foot of the ladder is 4.6 m away from the wall. The length of the ladder is:
- (a) 2.3 m ()
- (b) 4.6 m ()
- (c) 7.8 m ()
- (d) 9.2 m ()

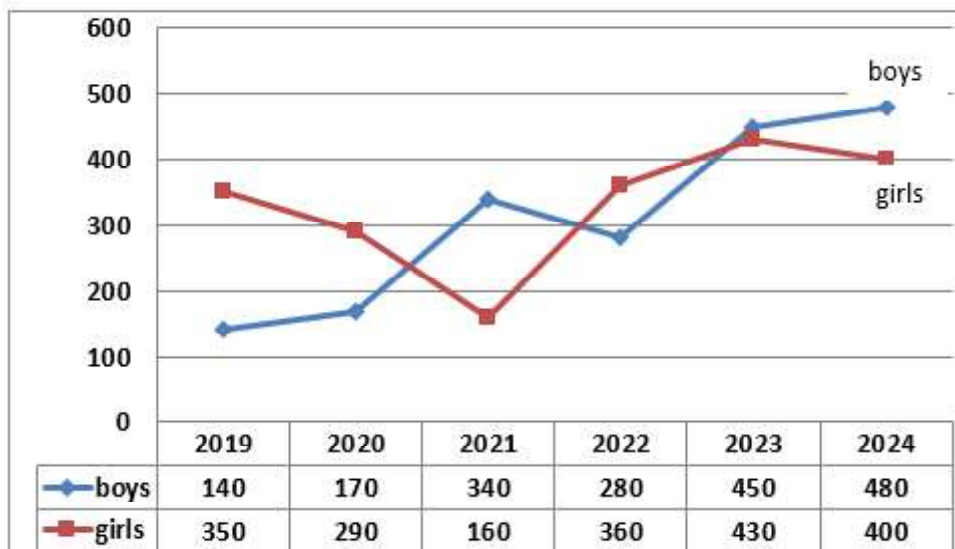
Direction (Question Nos. 48 & 49) : Study the following pie-chart carefully and answer the questions given below them.

The entire fund that a school gets from different sources is equal to ₹ 500 lakhs



48. What is the difference between the funds acquired by school from NGO'S and internal sources?
- (a) ₹ 25 lakhs ()
- (b) ₹ 45 lakhs ()
- (c) ₹ 50 lakhs ()
- (d) ₹ 75 lakhs ()
49. What amount of the fund is acquired by the school from Govt. agencies?
- (a) ₹ 225 lakhs ()
- (b) ₹ 255 lakhs ()
- (c) ₹ 275 lakhs ()
- (d) ₹ 295 lakhs ()

50. Line chart given below shows number of boys and girls working in six different years.



Average number of Girls working in 2019, 2021 and 2022 together is how much more / less than average number of Boys working in 2020, 2021 and 2024 together?

- (a) 30 ()
- (b) 40 ()
- (c) 50 ()
- (d) 60 ()

GENERAL INTELLIGENCE & REASONING - 100 MARKS

Directions (Question Nos. 51-53) : Study the following five numbers and answer the question given below:

364 167 523 656 831

51. What will be first digit of the second highest number after the position of only the second and the third digits within each number interchanged?

- (a) 3 ()
- (b) 5 ()
- (c) 6 ()
- (d) 8 ()

52. What will be last digit of the last number from top when they are arranged in descending order after reversing the position of the digit within each number?

- (a) 3 ()
- (b) 5 ()
- (c) 6 ()
- (d) 8 ()

53. What will be the middle digit of the lowest number after the position of only the first and second digits within each number are interchanged?
- (a) 3 ()
- (b) 5 ()
- (c) 6 ()
- (d) 8 ()

Direction (Question Nos. 54-56) : Study the given information to answer the given questions :

In a certain code language

'Exam results may declare soon' is coded as 'vx fa ba sx tz'

'The unnecessary surprise of result' is coded as 'sx nt oz pq fz'

'Results come before the holy' is coded as 'lx vt fq nt sx'

'Happy holy message surprise soon' is coded as 'bq vx cx oz fq'

54. What is the code for 'Surprise'?
- (a) oz ()
- (b) pq ()
- (c) nt ()
- (d) st ()
55. What does 'nt' stand for?
- (a) result ()
- (b) holy ()
- (c) the ()
- (d) of ()
56. Which may be the possible code for 'Before come'?
- (a) fq sx ()
- (b) lx vt ()
- (c) lx sx ()
- (d) vt nt ()

Directions (Question Nos. 57 - 59) : Study the following arrangement carefully and answer the questions given below:

C L R T B Q S M A P D I N F J K G Y X

57. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to the group?
- (a) LBT ()
- (b) SPA ()
- (c) IJF ()
- (d) PID ()

58. 'CT' is related to 'RQ' and 'AI' is related to 'DF' in a certain way, to which of the following is 'SP' related to, following the same pattern?
- (a) AI ()
(b) MD ()
(c) AD ()
(d) DN ()
59. What will come in place of the question mark in the following series?
CR LB TM SI ?
- (a) PK ()
(b) DK ()
(c) DG ()
(d) NX ()
60. How many such pairs of letters are there in the word 'IDEAL' each of which has as many letters between them in the word as in the English alphabet?
- (a) Nil ()
(b) One ()
(c) Two ()
(d) Three ()
61. If the english alphabet is written in backward order, then which letter will be 3rd to the left of letter Q?
- (a) N ()
(b) O ()
(c) S ()
(d) T ()
62. Sanga exits from the backdoor of his North-facing house and walks 25 m straight, then he takes a left turn and walks 36 m, then he turns left and walks 47 m. He turns left again and walks 36 m. How far and in which direction is he from his house now?
- (a) 22 m, North ()
(b) 11 m, North ()
(c) 22 m, South ()
(d) 11 m, South ()

Directions (Question Nos. 63&64) : Study the following information to answer the given questions:

Sahil starts from point A and walks 8 m in South and reaches point B, then turns towards his left and walks 4 m and reaches points C. From point C he turns his right and walks 5 m and reaches point D. From point D he turns 8 m towards left and reaches point E. From point E he again turns left and walks 5 m reaches to point F again turns right and walks 4 m to reaches point G. Finally he again turns to his left and walks 8 m and reaches point H.

63. What is the distance between A and H?
- (a) 14 m ()
(b) 16 m ()
(c) 18 m ()
(d) 20 m ()

64. Point E is in which direction with respect to point C?
(a) North-East ()
(b) North-West ()
(c) **South-East** ()
(d) South-West ()
65. Among Six friends A, B, C, D, E and F. E is elder than C but younger than D and B. A is elder than D and B, A is not the eldest. Who is the younger one?
(a) B ()
(b) E ()
(c) **C** ()
(d) F ()
66. Mary is ranked 18th position from the top in her class. When counted from the bottom she is ranked 36th. What is the total number of students in the class?
(a) 52 ()
(b) **53** ()
(c) 54 ()
(d) 55 ()
67. In a row of 40 students, A is 13th from the left end, find the rank from right end.
(a) **28** ()
(b) 27 ()
(c) 30 ()
(d) 29 ()
68. Looking at a woman sitting next to him, Amit said, “She is the sister of the husband of my wife”. How is the women related to Amit?
(a) Daughter ()
(b) **Sister** ()
(c) Wife ()
(d) Niece ()
69. Introducing a boy, a girl says, “He is the son of the only sister of my mother’s brother”. How is the boy related to that girl?
(a) **Brother** ()
(b) Father-in-law ()
(c) Cousin ()
(d) Niece ()

Directions (Question Nos. 70&71) : Each question below are given three statements followed by three Conclusions I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows from the given statements disregarding commonly known facts.

70. Statements:

Some apartments are flats.

Some flat are buildings.

All buildings are bungalows.

All bungalows are gardens.

Conclusions:

I. All apartments being building is a possibility.

II. All bungalows are not buildings.

III. No flat is garden.

- | | |
|-----------------------------|-----|
| (a) None follow | () |
| (b) Only I follows | () |
| (c) Either I or III follows | () |
| (d) I and II follow | () |

71. Statements:

All chairs are tables.

All tables are bottles.

Some bottles are jars.

No jar is bucket.

Conclusions:

I. Some tables being jar is a possibility.

II. Some bottles are chairs.

III. Some bottles are not bucket.

- | | |
|-----------------------|-----|
| (a) Only I follows | () |
| (b) I and II follow | () |
| (c) All follow | () |
| (d) Only II follows | () |

72. In a code language, 'ARDOUS' is written as '1184152119'. How will 'SYSTEM' be written in that code language?

- | | |
|------------------------|-----|
| (a) 19251920513 | () |
| (b) 19251920514 | () |
| (c) 19251921513 | () |
| (d) 18251820513 | () |

73. If 'THEN' is written as 'RLBS', then how will 'CASE' be written in that code?

- (a) APEP ()
 (b) EPAP ()
 (c) **AEPJ** ()
 (d) PAEJ ()

Directions (Question Nos. 74&75) : Which two signs should be interchanged to make the following equation correct:

74. $24 \div 12 - 6 \times 6 + 2 = 18$.

- (a) $\div$ and $\times$ ()
 (b) $+$ and $-$ ()
 (c) $\times$ and $-$ ()
 (d) **$+$ and $\div$** ()

75. $27 + 13 \times 12 - 6 \div 3 = 50$.

- (a) $+$ and $\times$ ()
 (b) $+$ and $\div$ ()
 (c) **$-$ and $\div$** ()
 (d) $\times$ and $-$ ()

76. If '@' means 'addition', '%' means 'multiplication', '\$' mean 'division' and '#' means 'subtraction', Then find the value of the following expression:

$29 @ 128 \$ 16 \% 7 \# 22$

- (a) 23 ()
 (b) 47 ()
 (c) 58 ()
 (d) **63** ()

77. Find the value of x .

8	9	7
4	3	6
4	3	6
28	x	36

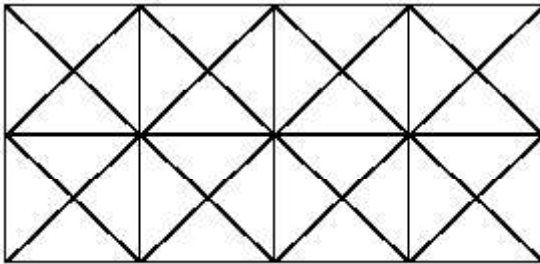
- (a) 21 ()
 (b) **24** ()
 (c) 27 ()
 (d) 30 ()

78.

	7				11				12	
6	32	3		9	70	2		10	?	5
	5				7				4	

- (a) 41 ()
(b) 43 ()
 (c) 47 ()
 (d) 49 ()

79. How many squares are there in the given figure?



- (a) 13 ()
 (b) 16 ()
(c) 23 ()
 (d) 26 ()

80. The present age of Jimmy's father is 2 times the present age of Jimmy. 16 years ago, Jimmy's age was 4 times his father's age. Find the present age of Jimmy's father and Jimmy.

- (a) 48 years and 24 years** ()
 (b) 46 years and 23 years ()
 (c) 52 years and 26 years ()
 (d) 50 years and 25 years ()

81. How many possible two-digit numbers can be formed by using the digits 7, 5 and 2?

- (a) 8 ()
 (b) 7 ()
 (c) 10 ()
(d) 9 ()

82. A is wife of B. D is brother of A. P and Q are the children of E, who is wife of D. How is B related to Q?

- (a) Father ()
 (b) Grandfather ()
(c) Uncle ()
 (d) Father-in-law ()

Direction (Question Nos. 83&84) : Choose the number which will replace the question mark(?).

83. $5 : 25 :: 6 : ?$

- (a) 32 ()
- (b) **36** ()
- (c) 38 ()
- (d) 42 ()

84. Work : Joule :: Area : ?

- (a) Length ()
- (b) Perimeter ()
- (c) **Hectare** ()
- (d) Radian ()

85. Which number will replace the question mark(?) in the following series.?

5, 10, 17, 26, ?

- (a) **37** ()
- (b) 36 ()
- (c) 35 ()
- (d) 34 ()

86. 'East' is related to 'Direction', in the same way as 'Summer' is related to:

- (a) Heat ()
- (b) Temperature ()
- (c) Room cooler ()
- (d) **Season** ()

Direction (Question Nos 87&88) : Four words have been given below. Out of which three are in the same manner, while the fourth one is different. Choose out the odd one:

87.

- (a) Meter ()
- (b) Centimeter ()
- (c) Kilometer ()
- (d) **Mile** ()

88.

- (a) **Rockets** ()
- (b) Planets ()
- (c) Galaxies ()
- (d) Stars ()

89. In the following question, a word has been given, followed by four other words, one of which cannot be formed by using the letters from the given word. Find the word.

COMMUNICATION

- (a) ACTION ()
- (b) UNION ()
- (c) NATION ()
- (d) **UNISON** ()

95. Select the option that is related to the third word in the same way as the second pair is related to the first pair.

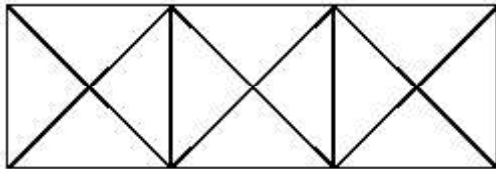
Sun : Earth :: Moon : ?

- (a) Star ()
- (b) Meteoroid ()
- (c) **Earth** ()
- (d) Comet ()

96. Today is monday. After 61 days, it will be:

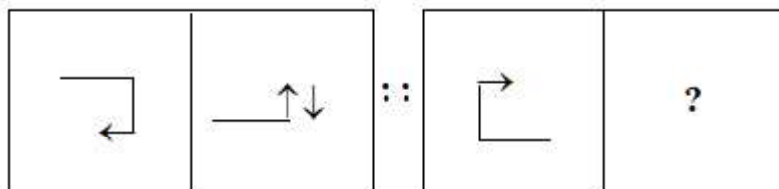
- (a) Wednesday ()
- (b) **Saturday** ()
- (c) Tuesday ()
- (d) Thursday ()

97. How many triangles are there in the given figure:

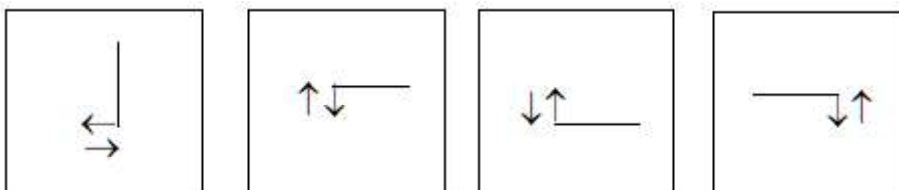


- (a) 16 ()
- (b) 20 ()
- (c) 24 ()
- (d) **28** ()

98. Problem figures:



Answer figures:



A

B

C

D

- (a) A ()
- (b) **B** ()
- (c) C ()
- (d) D ()

99. Peacock : India :: Bear : ?

- (a) Australia ()
- (b) America ()
- (c) **Russia** ()
- (d) England ()

100. In each word of the following question consists of pair of words bearing a relationship among these, from amongst the alternatives, pick up the pair that best illustrate a similar relationship.

Glove : Hand

- | | |
|-------------------------|--------|
| (a) Neck : Collar | () |
| (b) Socks : Feet | () |
| (c) Tie : Shirt | () |
| (d) Coat : Pocket | () |
