

**GOVERNMENT OF MIZORAM
FIRE & EMERGENCY SERVICES, HOME
DEPARTMENT**

**COMPETITIVE EXAMINATION FOR RECRUITMENT TO
THE POST OF DRIVER GRADE-III
(SEPTEMBER-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. Attempt all questions.

Put a tick ($\checkmark$) 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. What is 25% of 80?

- (a) **20** ()
- (b) 25 ()
- (c) 10 ()
- (d) 15 ()

2. What is the percentage of ratio 5:4?

- (a) 120 ()
- (b) **125** ()
- (d) 110 ()
- (d) 115 ()

3. 10 is what percent of 80?

- (a) 12% ()
- (b) **12.5%** ()
- (c) 14% ()
- (d) 14.5% ()

4. 10% of what number is 12?

- (a) 100 ()
- (b) 110 ()
- (c) **120** ()
- (d) 130 ()

5. Find the area of a circle if its diameter is 42 cm. (Use $\Omega = 22/7$)

- (a) **1386 cm²** ()
- (b) 1376 cm² ()
- (c) 1326 cm² ()
- (d) 1324 cm² ()

6. Find the area of a square whose side length is 7 cm.

- (a) 25 cm² ()
- (b) 36 cm² ()
- (c) **49 cm²** ()
- (d) 64 cm² ()

7. Find the perimeter of the rectangle with a length equal to 10 cm and width equal to 5 cm.
- (a) 15 cm ()
- (b) 20 cm ()
- (c) 25 cm ()
- (d) 30 cm** ()
8. Find the interest on ₹ 500 for a period of 4 years at the rate of 8% per annum.
- (a) ₹ 120 ()
- (b) ₹ 140 ()
- (c) ₹ 160** ()
- (d) ₹ 180 ()
9. Liani borrowed ₹ 550 from her friend at 8% per annum. She returned the amount after six months. How much did she pay?
- (a) ₹ 500 ()
- (b) ₹ 550 ()
- (c) ₹ 562 ()
- (d) ₹ 572** ()
10. At what annual rate of interest will a sum of money be thrice in 10 years?
- (a) 10% ()
- (b) 15% ()
- (c) 20%** ()
- (d) 25% ()
11. If the sum of two numbers x and $x + 5$ is 39. Find the value of x .
- (a) 14 ()
- (b) 13 ()
- (c) 17** ()
- (d) 18 ()
12. Find the value of y in the given equation $y - 9 = 3$.
- (a) 12** ()
- (b) 13 ()
- (c) 14 ()
- (d) 15 ()
13. What is the result of subtracting 9 from 15?
- (a) 4 ()
- (b) 5 ()
- (c) 6** ()
- (d) 7 ()
14. A baker baked 24 cookies. If he pack them in six in a box, how many boxes will he need?
- (a) 4** ()
- (b) 5 ()
- (c) 6 ()
- (d) 7 ()

15. If 10% of x is 900. Find x .

- (a) 9500 ()
- (b) 9600 ()
- (c) 8000 ()
- (d) **9000** ()

16. A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is :

- (a) $1/4$ ()
- (b) $1/10$ ()
- (c) $7/15$ ()
- (d) **$8/15$** ()

17. A man buys a cycle for Rs. 1400 and sells it at a loss of 15%. What is the selling price of the cycle?

- (a) Rs.1090 ()
- (b) Rs.1160 ()
- (c) **Rs.1190** ()
- (d) Rs.1202 ()

18. Some articles were bought at 6 articles for Rs. 5 and sold at 5 articles for Rs. 6. Gain percent is:

- (a) 30% ()
- (b) 33% ()
- (c) 40% ()
- (d) **44%** ()

19. Find the average of numbers 87, 84, 86, 90, 82, 88, 78.

- (a) **85** ()
- (b) 84 ()
- (c) 83 ()
- (d) 82 ()

20. The average of five numbers is 16. Four of the numbers are 12, 15, 18, and 20. Find the fifth number.

- (a) 13 ()
- (b) 14 ()
- (c) **15** ()
- (d) 16 ()

21. Find the average of the first five even numbers.

- (a) 4 ()
- (b) **6** ()
- (c) 8 ()
- (d) 10 ()

22. Which of the following is a perfect cube?

- (a) 512 ()
- (b) 125 ()
- (c) 729 ()
- (d) **All are perfect cubes** ()

23. Find the perimeter of the triangle whose sides are: 9 cm, 6 cm, and 3 cm.
- (a) 15cm ()
(b) 16cm ()
(c) 17cm ()
(d) **18cm** ()
24. A cylinder has a radius of 4 cm and height of 7 cm. Find it's volume.
- (a) 350 cm^3 ()
(b) **352 cm^3** ()
(c) 354 cm^3 ()
(d) 356 cm^3 ()
25. Find the area of trapezium with parallel sides 12 cm and 9cm and height of trapezium is 5 cm.
- (a) **52.5 cm^2** ()
(b) 55.2 cm^2 ()
(c) 52.2 cm^2 ()
(d) 54.5 cm^2 ()
26. The value of x in the equation, $3x + 7 = 16$ is:
- (a) 2 ()
(b) **3** ()
(c) 4 ()
(d) 5 ()
27. What is the least number that should be multiplied to 72 to obtain a perfect cube?
- (a) 2 ()
(b) 4 ()
(c) **3** ()
(d) 5 ()
28. What is the simplest form of ratio 40 kg: 1 quintal?
- (a) 5 : 2 ()
(b) **2 : 5** ()
(c) 1 : 2 ()
(d) 2 : 3 ()
29. The ratio 4 : 16 is in its lowest form is:
- (a) **1 : 4** ()
(b) 4 : 1 ()
(c) 2 : 3 ()
(d) 3 : 2 ()
30. The ratio between two numbers is 3 : 4. If their H.C.F. is 15, find the numbers.
- (a) 60 and 45 ()
(b) **45 and 60** ()
(c) 15 and 30 ()
(d) 30 and 15 ()

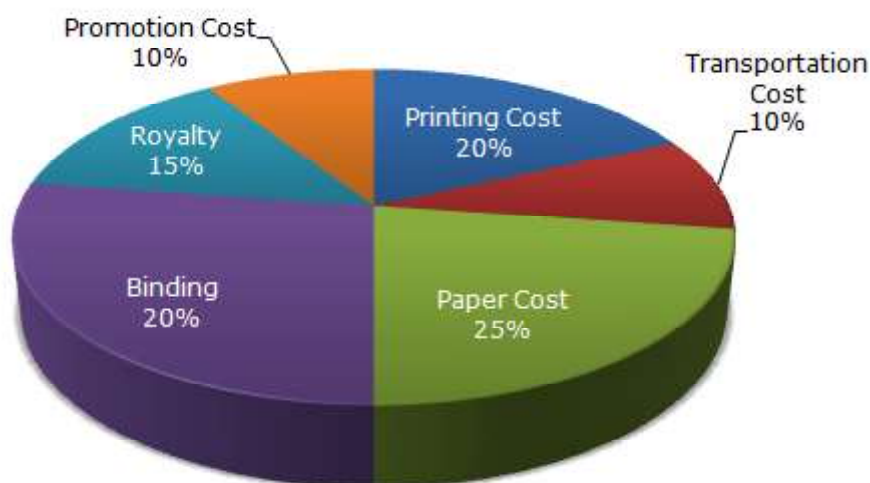
31. Two numbers are in the ratio 3 : 7. If their sum is 710, find the numbers.
- (a) **213 and 497** ()
- (b) 497 and 213 ()
- (c) 297 and 312 ()
- (d) 312 and 297 ()
32. Find the Pythagorean triplet with whose one number is 6.
- (a) 6,7,9 ()
- (b) 5, 6, 7 ()
- (c) **6,8,10** ()
- (d) 4,6,8 ()
33. A ladder is kept at a distance of 15 cm from the wall such that the top of the ladder is at the height of 8 cm from the bottom of the wall. Find the length of the ladder.
- (a) 16 ()
- (b) **17** ()
- (c) 18 ()
- (d) 19 ()
34. A boy travels 24 km towards east from his house, then he turned his left and covers another 10km. Find out his total displacement?
- (a) 23 km ()
- (b) 24 km ()
- (c) 25 km ()
- (d) **26 km** ()
35. Find the perimeter of a rectangle whose diagonal is 5 cm and one of its sides is 4 cm.
- (a) **14 cm** ()
- (b) 16 cm ()
- (c) 18 cm ()
- (d) 20 cm ()
36. Find the first term, if second, third and fourth terms in a proportion are 21, 80, 120 respectively.
- (a) 12 ()
- (b) **14** ()
- (c) 16 ()
- (d) 18 ()
37. A cuboid is 9 cm long, 5 cm broad and 4 cm high and a cube has an edge of 5 cm. Which one has greater volume?
- (a) **Cuboid** ()
- (b) Cube ()
- (c) They are equal ()
- (d) None of these ()

38. In an auditorium, there are 21025 chairs. If the number of rows is equal to the number of columns, find out how many rows are there.
- (a) 125 ()
(b) 135 ()
(c) **145** ()
(d) 155 ()
39. Find the smallest number that should be added to 1290 to make it a perfect square.
- (a) 3 ()
(b) 4 ()
(c) 5 ()
(d) **6** ()
40. What is the value of $(\sqrt{121} + \sqrt{49})^2$
- (a) 289 ()
(b) 169 ()
(c) 484 ()
(d) **324** ()
41. A vertical tower casts a shadow of 20 meters on the ground. If the angle of elevation of the sun is 45° , what is the height of the tower?
- (a) 15 m ()
(b) **20 m** ()
(c) 25 m ()
(d) 30 m ()
42. If a pole 6 m high casts a shadow $2\sqrt{3}$ m long on the ground, find the Sun's elevation.
- (a) 30° ()
(b) 45° ()
(c) **60°** ()
(d) 90° ()
43. The sum of 10 numbers is 550. Find their average number.
- (a) 45 ()
(b) **55** ()
(c) 35 ()
(d) 65 ()
44. An Item marked at ₹ 2000 is sold for ₹ 1500, the discount percent is:
- (a) 15 % ()
(b) 20 % ()
(c) **25 %** ()
(d) 30 % ()
45. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?
- (a) 3.6 km/hr ()
(b) **7.2 km/hr** ()
(c) 4.2 km/hr ()
(d) 5.6 km/hr ()

46. 36 men can complete a piece of work in 18 days. In how many days will 27 men complete the same work?
- (a) 12 ()
- (b) 18 ()
- (c) 20 ()
- (d) **24** ()
47. A bicycle travels at a steady speed of 10 miles per hour for 3 hours. How far did the bicycle travel?
- (a) 20 miles ()
- (b) **30 miles** ()
- (c) 15 miles ()
- (d) 25 miles ()

Direction (Question Nos. 48-50) : The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and the answer the questions based on it.

Various Expenditures (in percentage) Incurred in Publishing a Book



48. What is the central angle of the sector corresponding to the expenditure incurred on Royalty?
- (a) 15° ()
- (b) 24° ()
- (c) **54°** ()
- (d) 48° ()
49. Royalty on the book is less than the printing cost by:
- (a) **25 %** ()
- (b) 10 % ()
- (c) 15 % ()
- (d) 35 % ()
50. Which two expenditures together have central angle of 108° ?
- (a) **Binding Cost and Transportation Cost** ()
- (b) Printing Cost and Paper Cost ()
- (c) Royalty and Promotion Cost ()
- (d) Binding Cost and Paper Cost ()

GENERAL INTELLIGENCE & REASONING - 100 MARKS

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

436 853 325 782 567

- 51.** If 2 is added to each of the odd digits of all the numbers, then which of the following number so obtained is the second highest number after the arrangement?
- (a) 567 ()
(b) 782 ()
(c) **853** ()
(d) 325 ()
- 52.** If all the digits are arranged in descending order within the number then what is the difference between the highest and the lowest number so obtained?
- (a) 350 ()
(b) **340** ()
(c) 320 ()
(d) 300 ()
- 53.** If the first digit is replaced with the third digit within each number and no change in the third digit, then which of the following is the third highest number?
- (a) **325** ()
(b) 436 ()
(c) 567 ()
(d) 782 ()

Direction (Question Nos. 54-57) : Study the following information and answer the questions given below.

In a certain code language

'milk deep devsi' is coded as 'you are good'

'bim eva deep' is coded as 'will you go'

'milk sak eva sil' is coded as 'it will be good'

- 54.** What could be a code for 'good'?
- (a) devsi ()
(b) deep ()
(c) eva ()
(d) **milk** ()
- 55.** Which of the following is the code for 'are'?
- (a) eva ()
(b) deep ()
(c) **devsi** ()
(d) milk ()

56. Which of the following is the code for 'bim'?

- (a) will ()
- (b) go ()
- (c) you ()
- (d) sil ()

57. Which of the following is the code for 'eva'?

- (a) go ()
- (b) sak ()
- (c) you ()
- (d) will ()

Direction (Question Nos. 58-61) : Study the following data carefully and answer the questions accordingly :

B 3 * 4 @ F 2 > I P 9 % H & 6 L Q S V 8 G # 1 0 U Y / 7 W ^ 5

58. If all the symbols and numbers are dropped then which of the following is seventh from the right end?

- (a) Q ()
- (b) S ()
- (c) L ()
- (d) G ()

59. Three of the following four are alike in a certain way and so form a group. Which one does not belong to that group?

- (a) B34 ()
- (b) 10Y ()
- (c) F2> ()
- (d) H&L ()

60. How many numbers are there which are immediately followed by an alphabet?

- (a) 3 ()
- (b) 4 ()
- (c) 5 ()
- (d) 6 ()

61. How many Consonants are there?

- (a) 11 ()
- (b) 12 ()
- (c) 13 ()
- (d) 14 ()

62. If all the letters in the word **FIGURES** are arranged in alphabetical order from left to right, then how many letters are there in between F and S after arrangement?

- (a) None ()
- (b) One ()
- (c) Two ()
- (d) Three ()

63. If the english alphabet is written in backward order, then which letter will be 5th to the left of letter J?
(a) N ()
(b) F ()
(c) **O** ()
(d) T ()
64. Mike 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 ()
65. Five students A, B, C, D and E each having a different height. D is taller than E, who is taller than A. B is shorter than E but taller than A. C is the only student who is taller than D. Who is the shortest student?
(a) B ()
(b) **A** ()
(c) E ()
(d) D ()
66. Chetan is eleventh from the top of the column and fifteenth from the bottom. How many total students are in the column?
(a) 28 ()
(b) 27 ()
(c) 26 ()
(d) **25** ()

Direction (Question Nos. 67-69) : Read the following information and answer the questions given below:

Monika starts from her house, travels 10 km north, then turns to her right and walks 20 km. Now, she turns to her left and moves 17 km. Finally, she turns south and travels 27 km to reach her office.

67. In which direction is she from her starting point?
(a) North ()
(b) South ()
(c) **East** ()
(d) West ()
68. How much total distance did she cover from her house?
(a) **74 km** ()
(b) 57 km ()
(c) 72 km ()
(d) 60 km ()

69. How far is she from her starting point?

- (a) 10 km ()
- (b) **20 km** ()
- (c) 17 km ()
- (d) 74 km ()

70. Kaleba is twelfth from the left end of the row and Josua is nineteenth from the right end. If they interchange their positions, then Kaleba is twenty-first from the left end. How many total students are in the row?

- (a) 35 ()
- (b) 36 ()
- (c) **39** ()
- (d) 40 ()

71. B is brother of D. D is sister of E. E is brother of F. How is F related to B?

- (a) Brother ()
- (b) Sister ()
- (c) **Brother or Sister** ()
- (d) Data inadequate ()

72. 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 ()

Direction (Question Nos. 73-74) : Each questions 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.

73. **Statements:**

Some Tyre are CEAT.

All CEAT are MRF.

Conclusions :

I. Some CEAT cannot be MRF.

II. Some MRF cannot be Tyre.

III. Some Tyre cannot be CEAT.

- (a) Only conclusion I follows ()
- (b) Only conclusion II follows ()
- (c) All conclusion follow ()
- (d) **Both conclusion II and III follow** ()

74. Statements:

Some Square are Shape.

All Shape are Rectangle.

Conclusions:

I. No Rectangle can be square.

II. No Shape can be Rectangle .

III. No square can be Shape.

(a) All conclusion follows ()

(b) None of the conclusions follow ()

(c) Only conclusion I follows ()

(d) Only conclusion II follows ()

75. In a code language, 'LAMP' is written as '1211316'. How will 'FORK' be written in that code language?

(a) 6240567 ()

(b) 6151811 ()

(c) 1583654 ()

(d) 3733424 ()

76. If 'DEAR' is coded as 'FGCT', then how will 'READ' be coded as?

(a) TGCF ()

(b) FGCF ()

(c) TSFC ()

(d) TCGF ()

77. The sum of Reena's and her father's age is 60 years and the difference between their ages is 36 years. What is Reena's Father's age?

(a) 45 years ()

(b) 48 years ()

(c) 50 years ()

(d) 60 years ()

Direction (Question Nos. 78-79) : Which two signs should be interchanged to make the following equation correct :

78. $24 \div 12 - 6 \times 6 + 2 = 18$

(a) $\div$ and $\times$ ()

(b) $+$ and $-$ ()

(c) $\times$ and $-$ ()

(d) $+$ and $\div$ ()

79. $27 + 13 \times 12 - 6 \div 3 = 50$

(a) $-$ and $\div$ ()

(b) $+$ and $\div$ ()

(c) $+$ and $\times$ ()

(d) $\times$ and $-$ ()

80. 5 minutes in an analog wall clock is equivalent to :

- (a) 10° ()
- (b) 20° ()
- (c) 30° ()
- (d) 40° ()

81. Which word does NOT belong with the others?

- (a) heading ()
- (b) **letter** ()
- (c) body ()
- (d) closing ()

Direction (Question Nos. 82-83) : Choose the pair that best represents a similar relationship to the one expressed in the original pair of words?

82. PETAL : FLOWER

- (a) salt : pepper ()
- (b) base : ball ()
- (c) sandals : shoes ()
- (d) **tyre : bicycle** ()

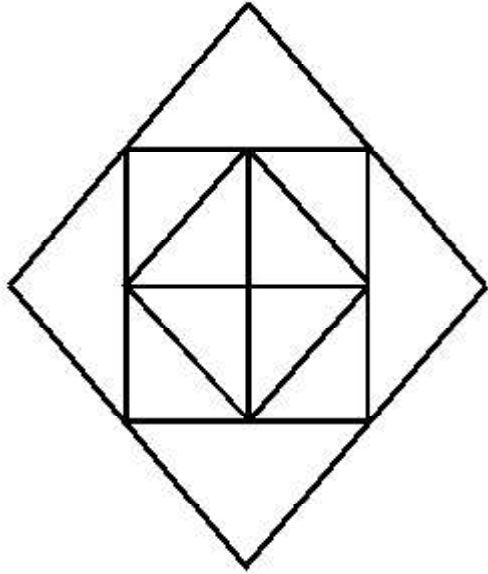
83. PASTORAL : RURAL

- (a) **metropolitan : urban** ()
- (b) harvest : autumn ()
- (c) sleepy : nocturnal ()
- (d) wild : agriculture ()

84. 'Window' is to 'pane' as 'book' is to:

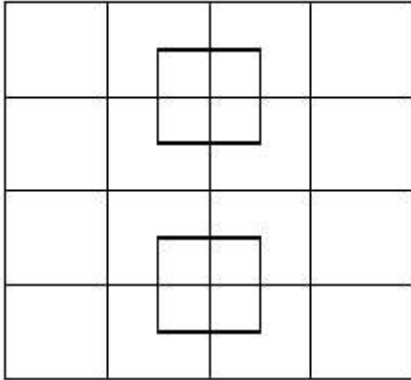
- (a) novel ()
- (b) glass ()
- (c) **page** ()
- (d) cover ()

85. How many triangles are there in the given figure.



- (a) 18 ()
(b) 16 ()
(c) 14 ()
(d) 12 ()

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



- (a) 30 ()
(b) 32 ()
(c) 36 ()
(d) 40 ()

Direction (Question Nos. 87-89) : In each of the following questions find out the alternative which will replace the question mark.

87. Carbon : Diamond :: Corundum :?

- (a) Ruby ()
(b) Garnet ()
(c) Pearl ()
(d) Pukhraj ()

88. Melt : Liquid :: Freeze :?

- (a) Ice ()
- (b) Condense ()
- (c) **Solid** ()
- (d) Force ()

89. 24 : 60 :: 120 :?

- (a) 108 ()
- (b) 160 ()
- (c) 220 ()
- (d) **300** ()

90. 'Lawyer' is related to 'Court' in the same way 'Actor' is related to?

- (a) Movie ()
- (b) **Stage** ()
- (c) Drama ()
- (d) Script ()

91. 'Bangladesh' is related to 'Dhaka' in the same way as 'Pakistan' is related to:

- (a) **Islamabad** ()
- (b) Karachi ()
- (c) Multan ()
- (d) Lahore ()

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

5, 9, 14, 20, ?

- (a) 24 ()
- (b) 25 ()
- (c) 26 ()
- (d) **27** ()

Direction (Question Nos. 93-94) 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.

93.

- (a) Circle ()
- (b) **Cube** ()
- (c) Triangle ()
- (d) Square ()

94.

- (a) Pen ()
- (b) Pencil ()
- (c) **Book** ()
- (d) Paper ()

95. In the following question, a word has been given, followed by four other words, one of which can be formed by using the letters from the given word. Find the word.

PREMONITION

- (a) ACTION ()
(b) NATION ()
(c) REMOVE ()
(d) **MONITOR** ()

Direction (Question No. 96) : In the following question, arrange the words in a meaningful, logical order and select the appropriate sequence from the alternatives given below for each of the groups of words.

96. 1. Lung 2. Nostrils

3. Windpipe 4. Blood

- (a) 2, 1, 3, 4 ()
(b) **2, 3, 1, 4** ()
(c) 1, 2, 3, 4 ()
(d) 1, 3, 2, 4 ()

97. Find the value of x .

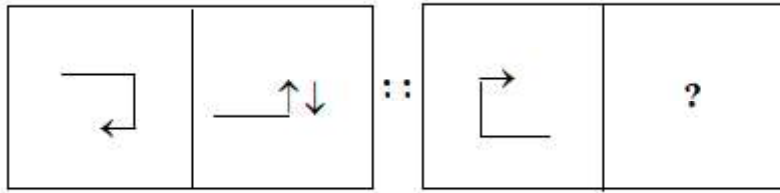
40	9	12	16
10	9	14	8
25	9	13	x

- (a) **12** ()
(b) 14 ()
(c) 16 ()
(d) 18 ()

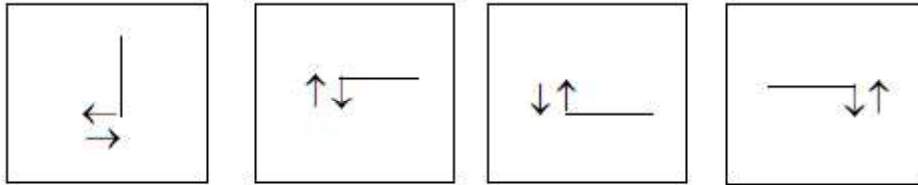
98. The total age of 8 persons is 240 years. What was their average age after 4 years?

- (a) 30years ()
(b) 32years ()
(c) **34years** ()
(d) 36 years ()

99. Problem figures



Answer figures



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

100. Select the option that has the same relation between the words as the relation between the words of the given pair.

Theist : Atheist

- (a) Police : Army ()
(b) **Dangerous : Safe** ()
(c) Tasty : Flavorful ()
(d) Enjoyable : Lovely ()
