

GOVERNMENT OF MIZORAM
LAND REVENUE & SETTLEMENT
DEPARTMENT

COMPETITIVE EXAMINATION FOR RECRUITMENT TO
THE POST OF DESPATCH RIDER
(MAY-2026)

PAPER-II

(SIMPLE ARITHMETIC & GEN. INTEL & 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		
Gen. Intelligence & Reasoning	2		
TOTAL			

Signature of Examiner : _____

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All questions carry 2 marks each. 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. The product of a non-zero rational number and its reciprocal is always:

- (a) 0 ()
- (b) -1 ()
- (c) 1 ()
- (d) -2 ()

2. Joseph had Rs 120. He spent $\frac{2}{5}$ of it on books and $\frac{1}{4}$ on fruits. How much money did he spend in total?

- (a) Rs 58 ()
- (b) Rs 48 ()
- (c) Rs 42 ()
- (d) Rs 78 ()

3. Simplify $\left(x^4 + \frac{2}{x^2}\right)\left(x^4 - \frac{2}{x^2}\right)$:

- (a) $x^8 - \frac{4}{x^4}$ ()
- (b) $x^8 + \frac{4}{x^4}$ ()
- (c) $x^4 - \frac{4}{x^4}$ ()
- (d) $x^8 - \frac{2}{x^4}$ ()

4. The square root of 0.0001 is:

- (a) 0.1 ()
- (b) 0.01 ()
- (c) 0.001 ()
- (d) 0.0000001 ()

5. The sum of the cube roots of 729 and 0.008 is:

- (a) 11 ()
- (b) 11.2 ()
- (c) 7.2 ()
- (d) 9.2 ()

6. The average age of 5 men is 40. The average age of 5 women is 39. The average age of their 4 children is 15. What is the average age of the family?
- (a) 35.2 ()
(b) 32.5 ()
(c) 30.3 ()
(d) 45 ()
7. 10 books each of Rs 300 are sold at Rs 2,500. What is the percentage of the discount given ?
- (a) 11.2 % ()
(b) 17.9 % ()
(c) 16.67 % ()
(d) 16.85 % ()
8. Calculate 10 % of 0.01.
- (a) 0.001 ()
(b) 0.05 ()
(c) 0.01 ()
(d) 0.005 ()
9. The cost price of a house is Rs 25,00,000. The house repair costed Rs 1,50,000. The house was sold for 20 % profit. What is the selling price of the house ?
- (a) Rs 3,18,000. ()
(b) Rs 25,80,000. ()
(c) Rs 25,00,000. ()
(d) Rs 31,80,000. ()
10. The ratio of the two numbers is 11:12. If the sum of the numbers is 253, find the difference between the numbers.
- (a) 10 ()
(b) 11 ()
(c) 12 ()
(d) 21 ()
11. Two partners invest Rs 20,000 and Rs 30,000. If they work for the same duration, how should a Rs 10,000 profit be divided ?
- (a) Rs 5000 and Rs 5000. ()
(b) Rs 4000 and Rs 6000. ()
(c) Rs 3000 and Rs 7000. ()
(d) Rs 2000 and Rs 8000. ()
12. 4 mat- weavers can weave 4 mats in 4 days. At the same rate, how many mats would be woven by 8 mat weavers in 8 days ?
- (a) 4 ()
(b) 8 ()
(c) 12 ()
(d) 16 ()

13. David makes a toy in 5 days, and with his son, it takes 3 days. How long does the son take alone ?
- (a) 6.5 days ()
- (b) 7 days ()
- (c) 7.5 days ()
- (d) 8 days ()
14. The ratio of the speeds of p : q : r is 5 : 4 : 3. Find the ratio of time taken by p, q and r to cover a distance of 'k' kilometres.
- (a) 5: 4: 3 ()
- (b) 4: 3: 2 ()
- (c) 12: 15: 20 ()
- (d) 20: 15: 12 ()
15. Calculate the compound interest at the rate of 6 % per annum for 2 years on the principal, which in 2 years at the rate of 2% per annum gives Rs 8,000.00 as simple interest.
- (a) Rs 27,420.00 ()
- (b) **Rs 24,720.00** ()
- (c) Rs 42,770.00 ()
- (d) Rs 47,270.00 ()
16. If the amount is Rs 400 and Principal is Rs 100 which is compounded half yearly for 1 year, calculate the rate of interest.
- (a) 100% per annum ()
- (b) **200% per annum** ()
- (c) 20% per annum ()
- (d) 109% per annum ()
17. Find the area of a semi-circle whose diameter is 20 cm ($\pi = 3.14$).
- (a) 15.7 sq.cm ()
- (b) 31.4 sq.cm ()
- (c) 314 sq.cm ()
- (d) **157 sq cm** ()
18. Calculate the measure of each interior angle of regular decagon.
- (a) 140° ()
- (b) **144°** ()
- (c) 154° ()
- (d) 156° ()
19. Find the total number of 4 digit even numbers formed by the digits 1, 2, 3, 4, 5, 6, 7, 8 if repetition of digits is not allowed.
- (a) 920 ()
- (b) 860 ()
- (c) 1200 ()
- (d) **840** ()

20. In how many ways can we select 5 subjects out of 8 subjects, of which two particular subjects are always included in the selections.
- (a) 20 ()
(b) 24 ()
(c) 30 ()
(d) 42 ()
21. A kite is flying at the height of $30\sqrt{3}$ m from horizontal level. The distance of the kite to the person is 60 m. What will be the angle of elevation of the kite?
- (a) 30° ()
(b) 45° ()
(c) 60° ()
(d) 120° ()
22. The angle of elevation of the top of a tower from the point 'S' is 30° . If the observer moves 10 metre towards the tower which is point 'T', the angle of elevation of the top increases by 15° . What will be the height of the tower?
- (a) $\frac{20}{(\sqrt{3}-1)}^m$ ()
(b) $\frac{20}{(\sqrt{3})}^m$ ()
(c) $\frac{10}{(\sqrt{3})}^m$ ()
(d) $\frac{10}{(\sqrt{3}-1)}^m$ ()
23. The number, whose 7% is 42, is:
- (a) 300 ()
(b) 400 ()
(c) 500 ()
(d) 600 ()
24. Which number will come next?
3.5, 7, 10, 12, 14, 24, 26, __.
- (a) 52 ()
(b) 30 ()
(c) 28 ()
(d) 48 ()
25. If mark price of a box is Rs 10 and a discount of 10% is allowed then what should be the sale price?
- (a) Rs 10 ()
(b) Rs 9 ()
(c) Rs 11 ()
(d) None of these. ()

26. A broker purchases goods worth Rs 5000 ; What is his commission at $3\frac{1}{2}\%$?
- (a) Rs 150 ()
(b) Rs 171 ()
(c) Rs 180 ()
(d) Rs 175 ()
27. A man bought a horse and a carriage for Rs 3,000. He sold the horse at a gain of 20% and the carriage at a loss of 10%, thereby gaining 2% on the whole. Find the cost of the horse.
- (a) Rs 1,000 ()
(b) Rs 1,200 ()
(c) Rs 1,500 ()
(d) Rs 1,700 ()
28. If $A : B = 2 : 7$ and $B : C = 4 : 5$, find the continued ratio $A : B : C$.
- (a) 8 : 28 : 35 ()
(b) 8 : 14 : 28 ()
(c) 14 : 10 : 28 ()
(d) 10 : 14 : 18 ()
29. P and Q enter into a partnership. P invests Rs 80,000 for the whole year, and Q joins him after 6 months with Rs 1,20,000. What is the ratio of their profits at the end of the year?
- (a) 2:3 ()
(b) 4:3 ()
(c) 3:4 ()
(d) 1:1 ()
30. 3 pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day?
- (a) 9 hrs ()
(b) 10 hrs ()
(c) 11 hrs ()
(d) 12 hrs ()
31. 10 men can do a piece of work in 25 days. Find the amount of work done by 35 men in 2.5 days.
- (a) 25% ()
(b) 35% ()
(c) 45% ()
(d) 55% ()
32. A man travels at a speed of 47 kmph for 5.7 hours and 65 kmph for 5.5 hours. Find his average speed.
- (a) 52.5 kmph ()
(b) 55.8 kmph ()
(c) 64.2 kmph ()
(d) 72.01 kmph ()

33. Three families P, Q and R, share 480kg of rice, Q received twice as much rice as P and R received half as much rice as Q. How much rice does family Q gets?

- (a) 220 kg ()
 (b) 230 kg ()
 (c) 240 kg ()
 (d) 250 kg ()

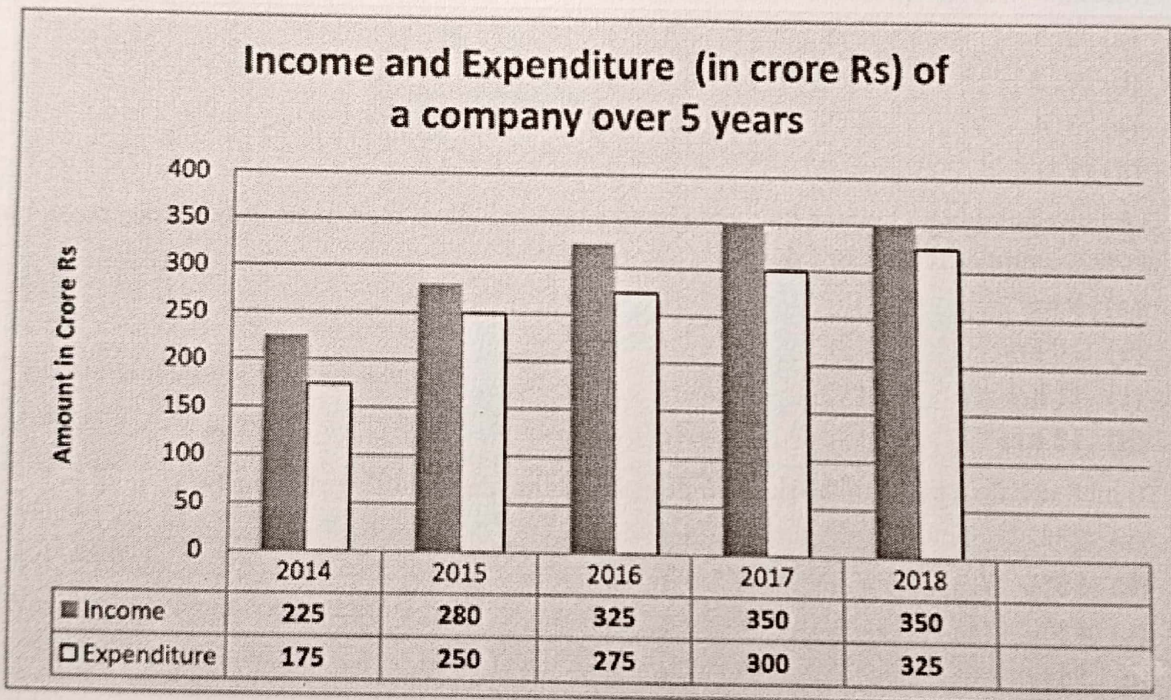
34. In the exam 45% students failed and 550 students were successful. The total number of students who appeared in the exam were:

- (a) 1000 ()
 (b) 9000 ()
 (c) 1500 ()
 (d) 800 ()

35. All spends Rs 500 to get a good shirt and sells it at Rs 800. Find the percentage of Profit.

- (a) 59% ()
 (b) 60% ()
 (c) 63% ()
 (d) 40% ()

36. The given bar graph shows the income and expenditure(in crores Rupees) of a company over 5 years, from 2014 to 2018. Study the bar graph and answer the question that follows:



In which of the following years is the ratio of expenditure and income the minimum ?

- (a) 2018 ()
 (b) 2017 ()
 (c) 2016 ()
 (d) 2014 ()

37. A man saves Rs 500 which is 15% of his annual income. How much does he earn in one year?

- (a) 3542.50 ()
 (b) 3333.33 ()
 (c) 3132.30 ()
 (d) 3075.75 ()

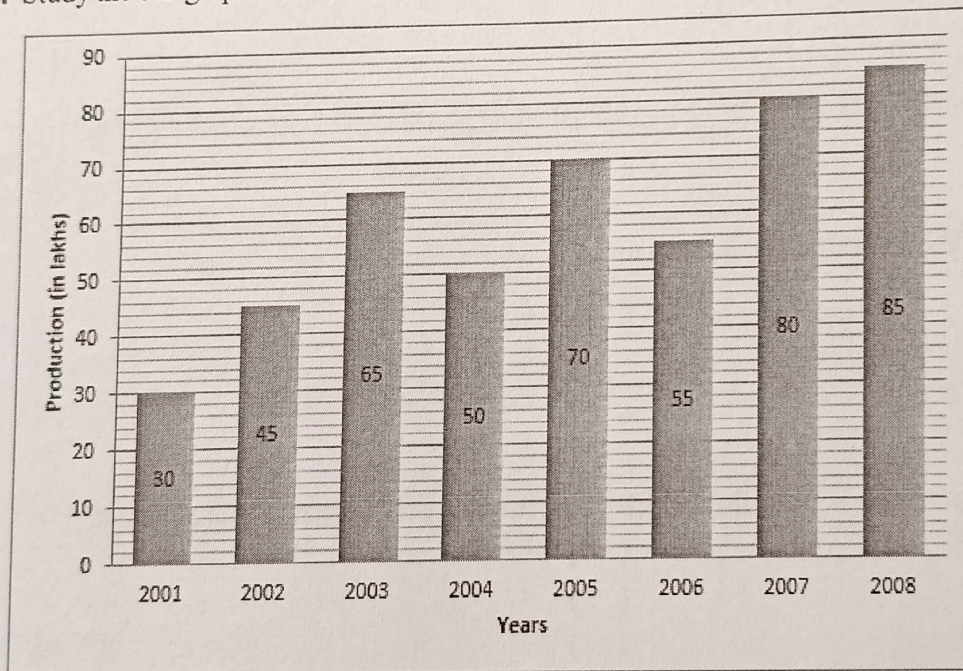
38. The table below shows the daily income (in Rs) of 50 persons. Study the table and answer the questions:

Income (Rs)	No. of persons
Less than 200	12
Less than 250	26
Less than 300	34
Less than 350	40
Less than 400	50

How many persons earn Rs 200 or more but less than Rs 300?

- (a) 8 ()
 (b) 12 ()
 (c) 38 ()
 (d) 22 ()

39. Study the bar-graph and answer the question based on it.



The average production of 2005 and 2006 was exactly equal to the average production of which of the following pairs of years ?

- (a) 2004 and 2006 ()
 (b) 2006 and 2007 ()
 (c) 2002 and 2007 ()
 (d) 2004 and 2005 ()

40. What number will come next 2, 5, 12, 23, 38, 57, ____?

- (a) 69 ☐
- (b) 76 ☐
- (c) 80 ☐
- (d) 84 ☐

41. Simplify $\frac{2x+1}{2} + \frac{2x-1}{3} = 1$

- (a) $x = \frac{1}{2}$ ☐
- (b) $x = -\frac{1}{2}$ ☐
- (c) $x = -1$ ☐
- (d) $x = 1$ ☐

42. The non-terminating repeating decimal among the following fraction is:

- (a) $13/4$ ☐
- (b) $100/11$ ☐
- (c) $7/5$ ☐
- (d) $-37/2$ ☐

43. On simplification $\sqrt{(0.65)^2 - (0.16)^2}$ reduces to:

- (a) 0.63 ☐
- (b) 0.65 ☐
- (c) 0.54 ☐
- (d) 0.45 ☐

44. If $(\sqrt{3})^n = 729$, the value of n is equal to:

- (a) 9 ☐
- (b) 12 ☐
- (c) 8 ☐
- (d) 6 ☐

45. If the edge of a cube is 1 cm, then which of the following is the surface area of the cube?

- (a) 1 cm^2 ☐
- (b) 4 cm^2 ☐
- (c) 6 cm^2 ☐
- (d) 12 cm^2 ☐

46. Which of the following is equal to 1 kilolitre?

- (a) 1000 millilitres ☐
- (b) 100 dm^3 ☐
- (c) 1 dm^3 ☐
- (d) 1000 dm^3 ☐

47. A number 22222222 is not divisible by:

- (a) 3 ()
- (b) 6 ()
- (c) 9 ()
- (d) 4 ()

48. The sum of two numbers is 56. Their difference is $\frac{1}{7}$ of their sum. Their LCM is:

- (a) 96 ()
- (b) 72 ()
- (c) 84 ()
- (d) 63 ()

49. The HCF and LCM of two numbers are 33 and 4719 respectively. When the first number is divided by 3, the quotient is 121. Find the other number.

- (a) 469 ()
- (b) 389 ()
- (c) 359 ()
- (d) 429 ()

50. If ${}^nC_4 = {}^nC_6$, The value of ${}^nC_9$ is equal to:

- (a) 8 ()
- (b) 9 ()
- (c) 10 ()
- (d) 12 ()

GENERAL INTELLIGENCE & REASONING (100 MARKS)

51. Choose the wrong series of the following:

- 13 26 39 53 65
- (a) 65 ()
 - (b) 39 ()
 - (c) 53 ()
 - (d) 13 ()

52. Find out the missing number in the given series.

- 34 35 39 ? 64
- (a) 45 ()
 - (b) 48 ()
 - (c) 50 ()
 - (d) 52 ()

53. Pick the odd one.

- (a) Triangle ()
- (b) Square ()
- (c) Parallelogram ()
- (d) Rectangle ()

54. Pick out the odd one.

- (a) Sphere ()
- (b) Cone ()
- (c) Cube ()
- (d) **Circle** ()

55. In many ways the word 'BRIGHT' can be arranged?

- (a) 120 ()
- (b) 360 ()
- (c) 540 ()
- (d) **720** ()

56. Which one replaces 'x'?

Guitar : Pick :: Violin : x

- (a) Stick ()
- (b) **Bow** ()
- (c) Arrow ()
- (d) Saw ()

57. Which one will replaces 'k'?

Football : 90 :: Basketball : k

- (a) 45 ()
- (b) 60 ()
- (c) **48** ()
- (d) 50 ()

58. If Red is Green, Green is Yellow, Yellow is Blue and Blue is Black, then what is the colour of Home Kit of Brazil National Football Team?

- (a) Yellow ()
- (b) **Blue** ()
- (c) Green ()
- (d) Red ()

59. Pointing to a boy, a man said, "He is the only son of Harry's daughter-in-law." How is the boy related to Harry?

- (a) Son ()
- (b) Nephew ()
- (c) **Grandson** ()
- (d) Son-in-law ()

60. In a cricket match, both teams All-Out in their innings. How many wickets in total was taken?

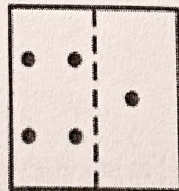
- (a) 10 ()
- (b) 11 ()
- (c) 22 ()
- (d) **20** ()

61. Supposed in a marathon race, there are 30 runners in total. For the runner running in the last position, how many runners should he run pass to be in the 3rd position?
- (a) 27 ()
(b) 28 ()
(c) 26 ()
(d) 29 ()
62. A woman went to a Millenium Centre and bought some items. She bought 3 hoodies, 2 pairs of shoes and 4 pairs of shorts. How many individual items she had bought in total?
- (a) 9 ()
(b) 12 ()
(c) 15 ()
(d) 11 ()
63. In a class Rocky is 23rd from the top and 35th from the bottom, the total number of students in a class is:
- (a) 60 ()
(b) 58 ()
(c) 57 ()
(d) 59 ()
64. If today is Thursday, what day will be after 46 days?
- (a) Monday ()
(b) Friday ()
(c) Thursday ()
(d) Sunday ()
65. In a code language, 'TOUCH' is written as 'UTOHC', then how will 'PLANT' be written in that language?
- (a) QMBOU ()
(b) TPANM ()
(c) ALRPT ()
(d) TPNLA ()
66. In a certain code 'GONE' is written as 5%2# and 'MEDAL' is written as 4@3\$@, then how will 'GOLD' be written in that code?
- (a) 5@%3 ()
(b) 5%@3 ()
(c) 5#@3 ()
(d) 5%#3 ()
67. In a certain code, if 'BUTTER' is coded as 'EXWWHU', 'MILK' is coded as 'PLON', then in the same code language, how will 'EARTH' be coded?
- (a) HDWUK ()
(b) HDUWK ()
(c) KHDUW ()
(d) KHUWD ()

68. If Mark and Marcus are brothers. Jenny is the sister of Marcus. Tanya is the daughter of Margaret. Margaret is the wife of Mark. Mercy is the mother of Jenny and the wife of Shawn. How is Tanya related to Shawn?
- (a) Mother's father ()
 (b) Daughter's daughter ()
 (c) Mother's brother ()
 (d) Son's daughter ()
69. Three of the following four words are alike in certain way and one is different. Select the odd one.
- (a) Goggles ()
 (b) Spectacles ()
 (c) Bifocals ()
 (d) Optical Reader ()
70. Siami is going Northwards. She turns right, moves some distance and again turns to her right. After moving some distance she turns to her left, goes forward and again turns to her left. In which direction now is Siami going?
- (a) North ()
 (b) South-West ()
 (c) South ()
 (d) West ()

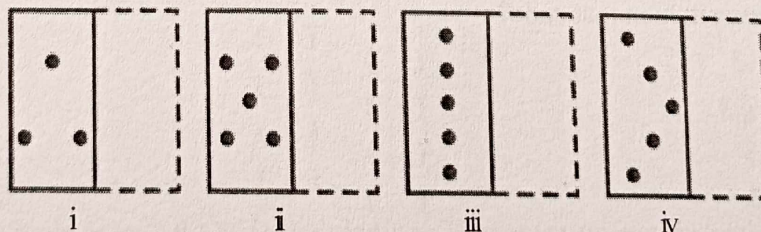
Direction (Question Nos. 71-72) : In each of the following questions a figure marked on transparent sheet is given and followed by four answer figures, one out of these four options resembles the figure, which is obtained by folding transparent sheet along the dotted line. Choose the correct answer.

Transparent Sheet



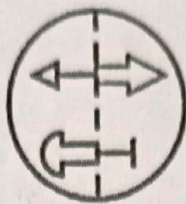
71.

Answer Figures:



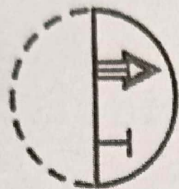
- (a) i ()
 (b) ii ()
 (c) iii ()
 (d) iv ()

Transparent
Sheet

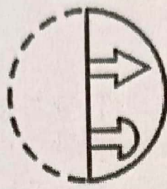


72.

Answer Figures



i



ii



iii



iv

- (a) i
(b) ii
(c) iii
(d) iv

- ()
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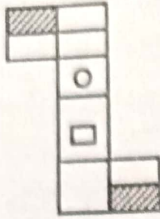
73. Moon : Satellite :: Earth : ?

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

- ()
()
()
()

74. In the questions below an unfolded dice is given in the left side while in the right side, four answer choices are given in the form of complete dice. You are required to select the correct answer choice which is formed by folding the unfolded dice.

Unfolded Dice



Answer Choices



i



ii



iii



iv

- (a) i ()
 (b) ii ()
 (c) iii ()
 (d) iv ()

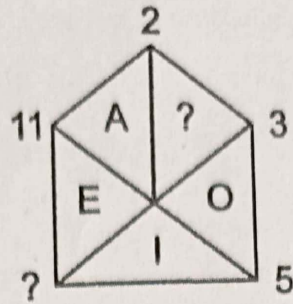
Direction (Question Nos. 75-77) : In each of the following questions, which character when replaces at the sign of '?' shall complete the given pattern.

75.

B	G	N
D	J	R
G	N	?

- (a) U ()
 (b) V ()
 (c) W ()
 (d) X ()

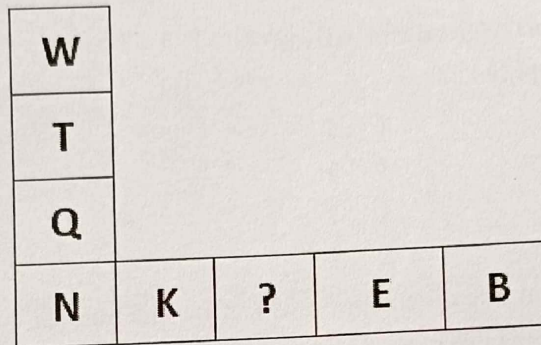
76.



- (a) 8 and U
- (b) 8 and V
- (c) 7 and U
- (d) 9 and V

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77.



- (a) H
- (b) L
- (c) G
- (d) F

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78. If '×' means '−', '÷' means '+', '+' means '×', then $18 \times 5 \div 5 + 6$ is equal to:

- (a) 58
- (b) 49
- (c) 43
- (d) 37

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79. SCD, TEF, UGH, _____, WKL

- (a) CMN
- (b) HJI
- (c) VIJ
- (d) IJT

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()
()

80. If $9 \times 5 \times 2 = 529$ and $4 \times 7 \times 2 = 724$, then $3 \times 9 \times 8 = ?$

- (a) 983
- (b) 839
- (c) 938
- (d) 893

()
()
()
()

81. Select the correct combination of mathematical signs to replace * signs and to balance the following equation:

$$8 * 8 * 1 * 7 = 8$$

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

82. EDC : RQP :: LKJ : ?

- (a) WYX ()
 (b) YXQ ()
 (c) YXW ()
 (d) WXY ()

83. Select the related pair from the given alternatives:

Tuberculosis : Lungs :: Typhoid : ?

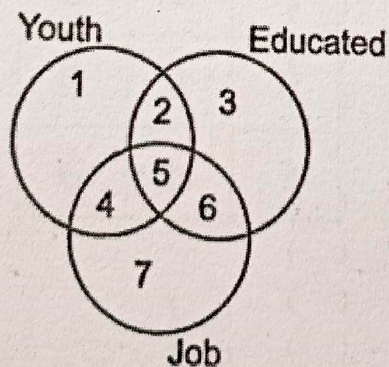
- (a) Liver ()
 (b) Intestine ()
 (c) Lungs ()
 (d) Brain ()

84. Select the number pair from the given option where the first number is not related to the second number as in the given number pair:

4 : 8

- (a) 8 : 32 ()
 (b) 2 : 2 ()
 (c) 3 : 9 ()
 (d) 6 : 18 ()

85. See the given diagram and then find out the youth who does job but not educated.



- (a) 5 ()
 (b) 4 ()
 (c) 6 ()
 (d) 7 ()

86. Victor told his friend Timothy, pointing to a photograph, "Her father is the only son of my mother." The photograph is of whom?
- (a) Victor's niece ()
(b) Victor's mother ()
(c) **Victor's daughter** ()
(d) Victor's sister ()
87. Introducing a man, a woman said, "His wife is the only daughter of my mother." How is the woman related with the man?
- (a) Sister-in-law ()
(b) **Wife** ()
(c) Aunt ()
(d) Mother-in-law ()
88. When the minute hand covers a distance of 1 hour 20 minute, then what is the angular distance covered by it?
- (a) 310° ()
(b) 192° ()
(c) **480°** ()
(d) 420° ()
89. How many times do the hands of a clock coincide in a day?
- (a) 24 ()
(b) 20 ()
(c) 12 ()
(d) **22** ()
90. Which one will have the same calendar as that of 2012?
- (a) 2020 ()
(b) **2040** ()
(c) 2025 ()
(d) 2031 ()
91. If 1st January, 2001 was Monday, then what day of the week was it on 31st December, 2001?
- (a) Wednesday ()
(b) Friday ()
(c) **Monday** ()
(d) Saturday ()
92. The FIFA World Cup, 2026 consisted of 12 Groups each with 4 Nations. In each group, 4 Nations are going to play against each other. So, how many matches in total will be played in Group Stage.
- (a) 48 ()
(b) 144 ()
(c) **72** ()
(d) 96 ()

93. Rova started walking towards North. After walking 30m, he turned towards left and walked 40m. He, then turned left and walked 30m. He again turned left and walked 50m. How far is he from his original position?

- (a) 50m ()
- (b) 40m ()
- (c) 30m ()
- (d) 10m ()

Direction (Question Nos. 94-96) : Read the information carefully and then answer the questions that follow.

Eight persons P, M, R, T, Q, U, V and W are sitting in front of one another in two rows. P, U, V and W faces North while T, R, M and Q faces South. P is between U and V. U faces T. R is between T and M. M is to the immediate right of Q. Q faces W.

94. Who is sitting in front of R?

- (a) P ()
- (b) U ()
- (c) V ()
- (d) W ()

95. Who is to the immediate right of R?

- (a) M ()
- (b) T ()
- (c) Q ()
- (d) None ()

96. Who is not sitting in the middle?

- (a) R ()
- (b) M ()
- (c) U ()
- (d) V ()

Direction (Question Nos. 97-98) : Read the following information carefully to answer the questions that follow:

Six persons A, B, C, D, E and F are sitting around a circular table facing centre. A is sitting opposite to B. B is between E and C. D is to the immediate right of C.

97. Who is sitting to the immediate right of A?

- (a) E ()
- (b) C ()
- (c) D ()
- (d) F ()

98. If D swap his seat with F and E swap with B, then who will be sitting to the left of C?
- (a) F ()
 - (b) E ()
 - (c) B ()
 - (d) D ()

Direction (Question Nos. 99-100) : Read the information carefully to answer the questions that follow.

A, B, C, D, E and F stay at the different floor of a building. Ground floor is number 1, First floor is number 2 and so on. A stays at even number floor. There are two floors between the floor on which D and F stay. F stays on the floor above D. D does not live on number 2 floor. B does not live on odd number floor. C does not live on any floor under F. E stays neither immediately above B nor immediately under B.

99. Who live exactly in between D and F?

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

100. On which floor does B stay?

- (a) 6th ()
- (b) 4th ()
- (c) 2nd ()
- (d) 5th ()

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