**Most Important Question**

**By Vikas Sir**

**Average**

Q1. The average of the marks obtained in an examination by 8 students was 51 and by 9 other students was 68. Find the average marks of all 17 students?

1. 59 b) 59.5 **c) 60** d) 60.5

Q2. If the average marks of three batches of 55, 60 and 45 students respectively 50, 55 and60, then the average marks of all the students is

1. **54.68** b) 53.33 c) 55 d) 56

**Q3.** The average of 10 numbers is 7.If each number is multiplied by12, then the average of the new set of numbers will be

1. 7 b) 19 c) 82 **d) 84**

Q4. The average weight of five persons sitting in a boat is 38 kg. The average weight of the boat and the persons sitting in the boat is 52kg. What is the weight of the boat?

a) 228 kg **b) 122 kg** c) 232 kg d) 242 kg

Q5. A library has an average number of 510 visitors on Sunday and 240 on other days. The average number of visitors per day in a month of 30 days beginning with Sunday is

1. **285** b) 295 c) 300 d) 290

**Q6.** The average monthly expenditure of a family is 2,200 during first three months, 2,550 during next four months and 3,120 during last five months of the year. If the total savings during the year was 1,260, what is the average monthly income?

1. 1,260 b) 1,280 **c) 2,805** d) 2,850

Q7. The average of 15 numbers is 7. If the average of the first 8 numbers be 6.5 and the average of last 8 numbers be 9.5, then the middle number is

1. 20 b) 21 **c) 23** d) 18

Q8. The average of marks of 17 students in an examination was calculated as 71. But it was later found that the mark of one student had been wrongly entered as 65 instead of 56 and another as 24 instead of 50. The correct average is

1. 70 b) 71 **c) 72** d) 73

Q9. The present average age of a family of 5 members is 40 years. If the youngest member of the family is 12 years old, then find the average age of the family at the time of birth of the youngest member.

1. 32 b) 33 c) 34 **d) 35**

Q10. The average weight of 12 people gets increased by 3.5kg when a person weighs 56 kg got replaced by another man. Find the weight of the new man

1. 90kg b) 92kg c) 96kg **d) 98kg**

Q11. The average daily income of 7men, 11 women and 2 boys is Rs. 257.50. If the average daily income of the men is Rs.10 more than that of women and the average daily income of the women is Rs.10 more than that of boys, the average daily income of a man is

1. Rs. 277.5 b) Rs. 250 **c) Rs. 265** d) Rs. 257

Q12. The average age of 12 players of a team is 25 years. If the captain’s age is included, the average age increases by 1 year. The age of the captain is

1. 25 yrs. **b) 38 yrs**. c) 36 yrs. d) 26 yrs.

Q13. The average age of Ram and his two children is 17 years and the average age of Ram’s wife and the same children is 16 years. If the age of Ram is 33 years, the age of his wife is (in years)

1. 31 b) 32 c) 35 **d) 30**

Q14. Average age of 8 men is increased by 3 years when two of them whose age are 30 and 34 years are replaced by 2 persons. What is the average age of the 2 persons?

1. 24 years b) 32 years **c) 44 years** d) 48 years e) 42 years

Q15. The average age of 11 players of a cricket team is increased by 2 months when two of them aged 18 years and 20 years are replaced by two new players. The average age of the new players is

1. 19 years 1 month b) 19 years 6 months **c) 19 years 11 months** d) 19 years 5 months

Q16. Out of 10 teachers of a school, one teacher retires and at his place a new teacher of age 25 years joins. As a result of it, the average age of the teachers is reduced by 3 years. The age of the retired teacher is

1. 60 years b) 58 years c) 56 years **d) 55 years**

Q17. The average of five numbers is 140. If one number is excluded, the average of the remaining four numbers is 130. The excluded number is

1. 135 b) 134 **c) 180** d) 150

Q18. There were 35 students in a hostel. If the number of students is increased by 7 the expenditure on food increases by 42 per day while the average expenditure of students is reduced by 1. What was the initial expenditure on food per day?

1. 400 b) 432 c) 442 **d) 420**

Q19. A cricketer has a certain average of runs for his 8 innings. In the ninth innings, he scores 100runs, thereby increases his average by 9 runs. His new average of runs is

1. 20 b) 24 **c) 28** d) 32

Q20. In an exam, the average marks obtained by the students were found to be 60. After omission of computational errors, the average marks of 100 candidates had to be changed from 60 to 30 and the average with respect to all the examinees came down to 45marks. The total number of candidates who took the exam, was

1. **200** b) 210 c) 240 d) 180

**Q21.** A cricketer whose bowling average is 12.4 runs per wicket, takes5 wickets for 26 runs and there by decreases his average by 0.4. The number of wickets taken by him till the last match was

1. 64 b) 72 c) 80 **d) 85**

Q22. In Arun’s opinion, his weight is greater than 65 kg but less than 72 kg. His brother does not agree with Arun and he thinks that Arun’s weight is greater than 60 kg but less than 70 kg. His mother’s view is that his weight cannot be greater than 68 kg. If all of them are correct in their estimation, what is the average of different probable weights of Arun?

1. 55.5 kg b) 66.5 kg c) 77.5 kg d) 67 Kg

Q23. Three math classes: X, Y, and Z, take an algebra test. The average score in class X is 83. The average score in class Y is 76. The average score in class Z is 85. The average score of all students in classes X and Y together is 79. The average score of all students in classes Y and Z together is 81. What is the average score for all the three classes, taken together?

1. 81 **b) 81.5** c) 82 d) 84.5

Q24. A person was asked to state his age in years. His reply was, “Take my age three years hence, multiply it by 3 and then subtract three times my age three years ago and you will know how old I am.” What was the age of the person?

1. **18 years** b) 20 years c) 24 years d) 32 years

**Q25.** When the couple was married the average of their ages was 25 years. When their first child was born, the average age of family became 18 years. When their second child was born, the average age of the family became 15 years. Find the average age of the couple now?

1. 31 b) 27 c) 28 **d) 29**

Q26. Find the average of First 100 odd number

1. **100** b) 101 c) 99 d) None

**Q27.** Find the average of First 100 even number

1. 100 **b) 101** c) 99 d) None

Q28. Find the average of first 60 natural Number.

1. 30 **b) 31.5** c) 32 d) None

Q29. Find the average of Squares of first 5 natural numbers

1. 10 **b) 11** c) 9 d) None

Q30. Find the average of first 20 number which are divisible by 8

1. 80 **b) 84** c) 88 d) 92

**Percentage**

Q31. The price of a book is first increased by 10% and then decreased by 5%, then the net change in the price will be

1. 4.2% increase B) 4.5% increase C) 4.2% decrease **D) 4.5% decrease**

Q32. If the numerator of certain fraction increased by 100% and the denominator is increased by 200% the new fraction thus formed is 4/21. What is the original fraction?

1. **2/7** B) 3/7 C) 2/5 D) 4/7

Q33. One-eighth of a number is 17.25. What will 73% of the number be?

1. **100.74** B) 138.00 C) 96.42 D) 82.66

**Q34.** Mr Shamin’s salary increase every year by 10% in june. If there is no other increase or reduction in the salary and his salary in June 2011 was rs22,385, what was his salary in June 2009?

1. rs 18,650 **B) rs 18,000** C) rs 19,250 D) rs 18,500

Q35. In order to pass in an exam a student is required to get 780 marks out of the aggregate marks. Sonu got 728 marks and was declared failed by 5 per cent. What are the maximum aggregate marks a student can get in the examination?

1. **1040** B) 11001 C) 1000 D) Cannot be determined

**Q36.** If two numbers are respectively 20% and 50% of a third number, what is the percentage of the first number to the second?

1. 10 B) 20 C) 30 **D) 40**

Q37. An inspector rejects 0.08% of the meters as defective. How many metres will he examine to reject 2 metres?

1. 200m B) 250m **C) 2500m** D) 3000m

Q38. If 40% of a certain number is 120, then what is 90% of that number?

1. 150 B) 200 C) 240 **D) 270**

Q39. The population of a town is 10000. It increases annually at the rate of 20% p.a. What will be its population after 2 years?

1. **14440** B) 12400 C) 14400` D) 11400

**Q40.** What percent is 5 gm of 1 kg?

1. 0.05% **B) 0.5%** C) 0.005% D) 5%

Q41. Fourty-five percent of a number is 30 less than three-fifth of that number. What is the number?

1. 100 **B) 120** C) 130 D) 200

Q42. 40% of 60% of 3/5 of 2750 = ?

1. 372 B) 384 **C) 396** D) 412

Q43. The number that is to be added to 10% of 320 to have the sum as 30% of 230 is

1. **37** B) 32 C) 23 D) 73

**Q44.** If the difference between 85% and 48% of a number is 314.5, then what is 36% of that number

1. 302 **B) 306** C) 312 D) 318

Q45. The total number of girls in a class is 45% more than the total number of boys in the class. The total number of students in the class is 294 then what is the difference between the total number of girls and boys?

1. **54** B) 52 C) 76 D) 78

**Q46.** If the radius of the circle is increased by 5% then the area is increased by

A) 10.20 B) 10.22 C) 10.24 **D) 10.25**

Q47. In an examination, 30% of the maximum marks required to pass. A student gets 120marks and failed by 90marks. Find the maximum marks

1. 800 B) 720 C) 650 **D) 700**

Q48. From the salary, Akilesh spent 15% for houserent, 5% for children’s education and 15% for Entertainment. Now he left with Rs.13,000. His salary is

A) 19,000 **B) 20,000** C) 18,000 D) 15,000

Q49. The percentage discount offered for "Buy 6 get 1 free is"?

1. 85.78 % B) 58. 48 % C) 19.25 % **D) 14.285 %**

Q50. In a Bookshelf 60% of the books are in Tamil, 60% of the remaining books are in English rest of the books are in Hindi. If there are 2400 books in English, then the total number of books in Hindi are?

1. 1300 B) 1250 **C) 1600** D) 1450

Q51. A epidemic broke out in a village in which 5% of the population died. Of the remaining, 20% fled out of panic. If the present population is 4655, then the population of the village originally was

1. 6000 **B) 6125** C) 5995 D) 5855

Q52. In an examination A got 25% marks more than B, B got 10% less than C and C got 25% more than D. If D got 320 marks out of 500, the marks obtained by A were

1. 405 **B) 450** C) 360 D) 400

Q53. The population of a town is 126800. It increases by 15% in the first year and decreases by 20% in the second year. What is the population of the town at the end of 2 year?

1. 174984 B) 135996 **C) 116656** D) 145820

Q54. What percentage of the whole week does Pirkandu spend in office, if his office hours are 9 am to 5 pm from Monday to Friday?

1. **23.8%** B) 28% C) 20.5% D) 25.8%

**Q55.** In an examination, 50% of the students passed in Science and 75% passed in Social, while 20% students failed in both the subjects. If 270 students passed in both subjects, find the total number of students who appeared in the exam?

1. 1400 B) 2540 **C) 3600** D) 4750

Q56. A house-owner was having his house painted. He was advised that he would require 25 kg of paint. Allowing for 15% wastage and assuming that the paint is available in 2 kg cans, what would be the cost of paint purchased, if one can costs Rs. 16?

1. **240 Rs**. B) 180 Rs. C) 160 Rs. D) 280 Rs.

**Q57.** When the price of sugar was increased by 20%, a family reduced its consumption in such a way that the expenditure on sugar is only increased by 15%. If 24 kg were consumed per month before the increase in price, find the new monthly consumption.

1. 21 kg **B) 23 kg** C) 20 kg D) 19 kg

Q58. Population of city B is 20% more than city A. If 40% and 66𝟐/𝟑% of population of city A and city B respectively is literate and the difference between the number of illiterate people of the cities is 600 then find the total population of city A ?

1. 3300 **B) 3000** C) 6600 D) 3600

Q59. Nandita scored 80 per cent marks in five subjects together viz, Hindi, Science, Maths, English and Sanskrit together wherein the maximum marks of each subject were 105. How many marks did Nandita score in Science if she scored 89 marks in Hindi, 92 marks in Sanskrit, 98 marks in Maths and 81 marks in English?

1. **60** B) 75 C) 65 D) 70

**Q60.** A’s salary is 20% less than B’s salary. B’s saving is 50% more than A’s saving. If ‘B’ spends 40% of his salary and average of A’s salary and B’s saving is Rs. 10,500, then find the expenditure of A?

1. Rs. 6,000 B) Rs. 7,500 **C) Rs. 9,000** D) Rs. 10,500

**Profit and Loss**

Q61. Varun sold an item for 6,384 and incurred a loss of 30%. At what price should he have sold the item to have gained a profit of 30%?

1. 14,656 **b) 11,856** c) 13,544 d) Cannot be determined

Q.62. A TV when sold for 7038 earned a profit of 15%. What was its cost price tv?

1. 6040 b) 6080 **c) 6120** d) 6240

Q63. Meera sold 8 keys and makes a profit equal to the selling price of 2 keys, what is the profit percentage?

1. **33 1/3%** b) 35 1/3% c) 33% d) 35%

**Q64.** If the selling price of 25 pens is equal to the cost price of 35 pens, then the profit percentage is:a.

1. 10 **b) 40** c) 15 d) 21

Q65. A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?

1. 3 b) 4 **c) 5** d) 6

Q66. Even after reducing the marked price of a fan by Rs64, a shopkeeper makes a profit of 15%. If the cost price of fan is Rs640 what percent of profit would have been made if he had sold the fan at the market price?

1. 20% **b) 25%** c) 30% d) 40%

Q67. An article is sold at 33(1/3)% profit. If it had been sold at a profit of 40%,it would have fetched Rs50 more. Find cost price of article?

1. 700 **b) 750** c) 600 d) 650

Q68. An article costing Rs. 363 is marked to be sold at a price which gives a profit of 20%. What will be its selling price in a sale when 15% is taken off the marked price?

1. Rs. 390.56 b) Rs. 390.26 c) Rs. 382.26 **d) None of these**

**Q69.** A man purchased 8 Electronic items at Rs.1000 per item. He spent Rs.5000 on repair and Rs.1000 on transportation of these items. What should be the selling price of each item if he wants to make 255 as profit?

a) 2600 b) 2550 c) 2570 **d) None**

Q70. If a shopkeeper sell a TV at 15% profit and a DVD at 12% loss then he earns Rs. 540 as total profit but if he sells the TV at 12% loss and the DVD at 15% profit then there is no loss or profit. Find the price of the TV and the DVD ?

a) Rs.11,000 and Rs. 2000 b) Rs.15,000 and Rs. 3000 c) Rs.11,000 and Rs. 6000

**d) Rs.10,000 and Rs.8000**

Q71. Anil bought some articles at 6 for Rs. 8 and sold them at 10 for Rs. 12. His percentage loss or gain is

1. 8% gain **b) 10% loss** c) 8% loss d) 10% loss

Q72. Raj Kumar sold 2 calculators for Rs. 990 each. On one calculator he gained 10% and on the other he lost 10%. Find his gain or loss in the transaction.

1. No loss-no gain 2. 1% gain **3. 1% loss** 4. 5% loss

Q74. A man marked his goods 20% above the cost price. While selling, he uses a false weight of 800gm instead of 1 kg and sells his goods at MP. Find the profit % he made by selling his goods?

1. 30% 2. 45% 3. 40% **4. 50%**

**Q75.** A false shopkeeper promises to sell his product on cost price but weighs 20% less. How much profit% does he earn?

1. 10% 2. 20% **3. 25%** 4. 30%

Q76. A television set was purchased for Rs. 650, and another Rs. 50 were spent on its transportation. At what price should it be sold so that the profit earned would be 20%?

1. **Rs. 840** 2. Rs. 7803. Rs. 870 4. Rs. 810

**Q77.** A shopkeeper cheats to the extent of 10% while buying and selling fruits, by using tampered weights. His total gain, in percentage, is

1. 21.05% 2. 24.24% **3. 22.22%** 4. 23.23%

Q78. A sells an item at 20% profit to B, B sells the same at 10% profit to C and receives Rs. 1,32,000.0. Had C purchased the same item from A, he would have spent 5% less than what he spent with B. What profit would A have made then?

1. Rs. 24,540 **2. Rs. 25,400** 3. Rs. 25,540 4. Rs. 24,450

Q79. A man sold two chairs for Rs 240 each, on one he gained 20% profit and another gained 20% loss. Find the total profit or loss percentage.

1. 0% loss 2. 40% profit **3. 4% loss** 4. 4% profit

Q80. A shopkeeper offers 40% discount on mark price and still makes 20% profit. Then find out his profit percent if he offers no discount.

1. 75% 2. 80% **3. 100%** 4. 60%

Q81. A man sells an article at a certain price incurring 20% loss. If he had sold the same article for Rs. 20 more he would have earned 20% profit. What was the cost price of the said article?

1. 20 2. 40 **3. 50** 4. 60

Q82. When five articles are sold at the rate of Re 1, there is a loss of 25%. How many articles should be sold for Re 1 to get a profit of 25%?

1. **3** 2. 2 3. 5 4. 1

**Q83.** A person makes a profit of 20% after giving 20% discount on the marked price of an article. The marked price is what percent above the cost price of the article?

1. 45 **2. 50** 3. 40 4. 60

Q84. On selling 17 balls at Rs. 720, there is a loss equal to the cost price of 5 ball. The cost price of a ball is –

1. Rs. 45 2. Rs. 50 3. Rs. 55 **4. Rs. 60**

**Q85.** Find the single equivalent discount which is equal to the successive discounts of 10%, 20% and 25%.

**1. 46%** 2. 54% 3. 55% 4. 45%

Q86. A trader buys some chocolates at 10 for Rs. 5 and sold them at 5 for Rs. 10. Find his gain or loss per-cent.

1. 150% **2. 300%** 3. 100% 4. 250%

Q87. The cost price of 45 items is equal to the selling price of 40 items. Find the loss or gain percentage.

1. 12.5% loss 2. 14.28% loss **3. 12.5% gain** 4. 14.28% gain

Q88. A shopkeeper who sells rice at Rs. 40/kg uses a faulty weights. Instead of 1 kg, his weights were only 850 grams. If the cost price of rice is Rs. 32/kg, calculate his overall profit percent (approx).

1. 42% 2. 39% 3. 45% **4. 47%**

**Q89.** A person sold a cycle for Rs. 935 with a gain of 10% then at how much amount did he purchase the cycle?

1. Rs. 945 **2. Rs. 850** 3. Rs. 925 4. Rs. 1,085

Q90. The marked price of an article at 640. A trader earned profit of 20% when he sell it at the discount of 40% on its marked price. The cost price of article is.

1. Rs. 360 **2. Rs. 320** 3. Rs. 330 4. Rs. 330

**Blood Relation**

**Q91.** In a family of eight members, there are two married couples and the number of males is equal to the number of females.

1. C is the daughter of A who is the husband of B.

2. D is the only son of B.

3. F is the mother of E. E and H are brothers.

4. G is the sister of D.

How is C related to H?

1. Sister **2. Aunt** 3. Mother 4. Grandmother

Q92. C is the daughter of B who is the sister of A. D is the brother of C and the son of E. How is A related to E?

1. Brother 2. Sister-in-law 3. Brother-in-law **4. Cannot be determined**

Q93. A is B's father. C is B's daughter and sister of E. D is the son of C. B is the father of E and has only one son. How is E related to A?

1. Son **2. Grandson** 3. Daughter 4. Either grandson or granddaughter

Q94. A is the mother of D and B is the daughter of C. H is the brother of A. If D is the brother of B, how is B related to H?

1. Sister **2. Niece** 3. Aunt 4. Daughter

Q95. Anita is sister of the son of Gautam. Deepak's wife is mother of Suvi. Lalita is grandmother of Suvi. there are two married couple in the family. How is Anita related to Suvi?

1. **Aunt** 2. Niece 3. Mother 4. Daughter

Q96. **Direction:** Read the following information carefully and answer the following questions given below it :

In a family there are six members A, B, C, D, E and F. A and B are a married couple, A being the male member. D is the only son of C, and C is the brother of A. E is sister of D. B is the daughter-in-law of F, and husband of F has died.

How is F related to C ?

1. Mother-in-law 2. Sister-in-law **3. Mother** 4. Aunt

Q97. How many male members are there in the family ?

1. One 2. Two **3. Three** 4. Four

Q98. Read the following data carefully and answer the question based on it.

A + B means A is the daughter of B.

A - B means A is the husband of B.

A × B means A is the brother of B.

If P × Q + R, which of the following is true?

1. P is the brother of R 2. P is the uncle of R **3. P is the son of R** 4. None of these

Q99. Read the following data carefully and answer the question based on it.

A + B means A is the daughter of B.

A - B means A is the husband of B.

A × B means A is the brother of B.

If P + Q - R, which of the following is true?

1. **R is the mother of P** 2. R is the sister-in-law of P 3. R is the aunt of P 4. None of these

Q100. **Direction:** On the basis of given information, answer the following questions.

A, B, C, D, E, and F are the six members of a family. C is the sister of F. B is the brother-in-law of mother of F. D is the father of A and F is the grandson of D. There are two female members in the family.

Who is the mother of F?

1. B 2. C **3. E** 4. D

Q101. Pointing towards a man in the photograph, Raju said, "He is my daughter's father's son." How is Raju related to that man?

1. Nephew 2. Son-in-law **3. Father** 4. Son

Q102. Introducing a man, a woman said. "His wife is the only daughter of my father". How is the man related to the woman?

1. Brother **2. Husband** 3. Father-in-law 4. Father

Q103. There are six children playing football, namely A, B, C, D, E and F. A and E are brothers. F is a sister of E. C is the only son of A’s Uncle. B and D are the daughters of the brother of C’s father. How is C related to F?

1. Uncle 2. Brother 3. Son **4. Cousin**

Q104. If P + Q means that P is the sister of Q,

P ÷ Q means that P is the mother of Q

P × Q means that P is the brother of Q,

then which of the following means That A is D's aunt / Tai / Fufi ?

1. A ÷ E × D 2. F ÷ A + E × D **3. A + B ÷ C × D** 4. A × E + B × C ÷ D

Q105. Read the following information carefully and given below. Answer the question

X + X means X is the father of Y

X - Y means X is the wife of Y

Y × Y means X is the brother of Y

X # Y means X is the daughter of Y

if M + N # L, then which of the following is true?

1. M is brother of L 2. M is the father of L. **3. M is husband of L** 4. M is the son of L

Q106. If P @ Q means that Q's husband is P; J # L means L is the son of J; and N $ M means that M's brother is N, then which of the following options ensures that A's mother is B?

1. A # B $ C @ D 2. C $ D @ A # B 3. B $ C # A @ **D 4. D @ B # C $ A**

Q107. On the basis of given information, answer the following questions.

Hema is the mother of Sushil. Rani is the sister of Sushil. Dharmendra is the father of Rani. Dharmendra has only one daughter. Kareena is the daughter of Rani. Rashmika is the daughter of Sushil.

How is Rani related to Rashmika?

1. Sister 2. Mother **3. Aunt** 4. Nephew

Q108. If Akshay is married to Rani, then how is Akshay related to Hema?

1. Grandson 2. Nephew **3. Son-in-Law** 4. Uncle

Q109. Pointing to a woman in the photo, Keshav said 'This is a photo of my mother's only son's father's younger sister'. How is the person in the photo related to Keshav?

1. Wife **2. Paternal Aunt** 3. Sister 4. Mother

Q110. Introducing a man to her husband, a woman said, “ His brother’s father is the only son of my paternal grandfather.” How is the woman related to the man?

1. Wife **2.** Paternal Aunt **3. Sister** 4. Mother

**Direction**

**Q111.** A woman is facing north. She turns 45° in the clockwise direction and then 90° in the anti clock wise direction. Which direction is she facing now?

1. North-East **2. North-West** 3. South-East 4. South-West

Q112. Mohan walked 4 kms forward towards East then turned right and walked 3 kms. Again he turned right and walked 4 kms. After this he turned back, now in which direction is he facing ?

1. West 2. North 3. South **4. East**

Q113. Suman walks 10 km towards West. She turns right and walks 13 km. She then turns to her right and walks 10 km. Finally, she turns right and walks 23 km. In which direction is the starting point from the endpoint?

1. **North** 2. West 3. East 4. South

Q114. In a certain arrangement, P is to the west of Q, which is to the west of R.

R is to the south of S.

U is to the south of Q.

T is to the north of S.

What is the direction of U w.r.t. T?

1. North-East 2. South **3. South-West** 4. North

Q115. You go North 1 km, turn right and go 1 km, then turn left and go 1 km, again turn left and go 1 km, then turn again left and go 2 km. You are facing towards:

**1. South** 2. East 3. North 4. West

Q116. A starts walkings in the early morning facing towards sun. after some time he turned to his right. Later he turned to his left again to his right. The direction in which he will be moving now will be-

1. North 2. East **3. South** 4. West

Q117. Ajay went 15 km to the West from his house, then turned left and walked 20 km. He, then turned East and walked 25 km and finally turning left he covered 20 km. How far is he now from his house ?

1. 15 km 2. 20 km 3. 25 km **4. 10 km**

Q118. Shyam goes 5 kms north from his school. Now, turning to the left, he goes 10 km and again turns to the left and goes to 5 km. How far is he from his school and in which direction?

1. 10 km, south from school 2. 10 km, North from school

**3. 10 km, West from school** 4. 10 km, East from school

Q119. A man is facing south. He then turns 90° to his left, 270° to his right and finally 45° to his left. In which direction is he facing now?

1. North 2. North-east **3. North-west** 4. South-west

Q120. Rajat is initially facing towards north. He rotates 328° in clockwise direction. He then rotates 432° in anticlockwise direction. In which direction is he facing now?

1. North west 2. South east 3. North east **4. South west**

Q121. T is 19 km towards the west of L. R is 6 km towards the east of L. S is 10 km towards the north of L. If V is 18 km towards the south of S, then in which direction and how far is V from R?

1. South east, 10 km **2. South west, 10 km** 3. North east, 15 km 4. North west, 15 km

Q122. Ram walked 5 km north from place A, then took a left turn and walked 3 km, then took a right turn and walked 2 km and then took a right turn and walked 3 km to reach another place B. Find the dis-tance between A and B?

1. 8 km **2. 7 km** 3. 13 km 4. 10 km

Q123. Vijay walks 5 km towards South, then he walks 3 km turning to right, again he turns to his right and walk 5 km. How far is he now from the starting point?

1. 6 km 2. 5 km **3. 3 km** 4. 8 km

Q124. Village P is to the east of village A. Village R is to the north of village P. Village S is to the west of Vil-lage R. Village S is towards which direction of village P ?

1. South - East 2. South - West **3. North - West** 4. North – East

Q125 Ravi walks a distance of 5 km towards south, then turn to his right and walks 3 km. He again turns right and walks 5 km. He then turns to his left and walks 5 km. how far he from the starting point and in which direction is:

1. 5 Km West 2. 3 Km North 3. 3 Km East **4. 8 Km West**

Q126. A sits facing towards East. If A turns 270° towards the right and then 180° towards the left, then in which direction is A facing now?

1. East 2. West 3. North **4. South**

Q127. John walks 12 km east from point A and then turns left and walks 5 km to point B. What is the shortest distance between points A and B?

1. **13 km** 2. 8 km 3. 10 km 4. 14 km

Q128. Tejas walked 10 metres towards the north. Then, he turned left and walked 10 metres. He turned right and walked 6 metre. At last he turned right and walked 10 metres. How far and in which direc-tion is he now from his starting point?

1. 26 metre, North **2. 16 metre, North** 3. 20 metre, North 4. 16 metre, South

Q129. A glider flies 10 km to the north-east. It then turns 90' left and flies 5 km. It then turns 40' to its right and flies 10 km. It then turns 135' to its left. In which direction is it flying now?

1. South-east 2. North-east **3. South-west** 4. North-west

Q130. A motorcycle is going westwards. It makes a 45° turn to its left and goes for 3 km. It then turns 90° to its left and goes for 2 km. It then makes a 180° turn. In which direction is the motorcycle going now?

1. South - east **2. North - west** 3. South - west 4. North – east

Q131. One morning after sunrise, Vikram and Shailaish were standing in a park with their backs towards each other. Vikram's shadow fell exactly towards his left. In which direction was Shailaish facing?

1. North 2. East **3. South** 4. West

Q132. A boy was running in the South direction. After some time, he turned towards his left, and his shadow fell behind him. What can you say about the time of the day when he was running?

1. Evening **2. Morning** 3. Afternoon 4. Night

Q133. A girl was walking towards East direction in the park. She takes a left turn, then right turn twice. She notice her shadow towards left. At what time she must have visited the park?

1. **Evening** 2. Morning 3. Night 4. Noon

Q134. A man was walking in the park. He was walking towards South, then he takes a right turn, then left turn thrice. He notice his shadow towards his left. At what time he must have visited in the park?

1. 9 PM **2. 7 AM** 3. 12 Noon 4. 6 PM

Q135. Vandana goes 60m North, then turns right and walks 80m, then again turns right and walks 40m, again turns right and walks 80m. In which direction she is from the starting point?

1. South 2. East **3. North** 4. West

**Ranking**

Q136. In a row of girls, Rathna who is 10th from the left and Vanitha who is 9 from the right interchange their seats then Rathna will be 15 from the left. How many girls are there in the row ?

1. 32 2. 25 **3. 23** 4. 16

Q137. In a row of boys, if A who is 10th from the left and B who is 9th from the right, interchange their positions, A be-comes 15th from the left. How many boys are there in the row?

1. 24 2. 31 **3. 23** 4. 28

Q138. There are 62 boys standing in a row. Rohan is 13th from the left and Shekhar is 16th from the right. If they inter-change their positions, what will be the new position of Rohan from the left?

1. 46 **2. 47** 3. 48 4. 45

Q139. The following Questions are based on inter-ranking between two people or a group of people.

In a row of girls, Shilpa is eight from the left and Reena is seventeenth from the right. If they interchange their positions, Shilpa becomes fourteenth from the left. How many girls are there in the row?

1. 25 **2. 30** 3. 27 4. 28

Q140. In a row, Raju is 16th from the left end and Madhu is 36th from right end. They interchange their positions and Madhu is now 25th from right end. How many people were there in the row?

1. 36 2. 39 **3. 40** 4. 60

Q141. In a row, Surya is 28th from right end and Nikitha is 15th from right end. They interchange their positions, and Ni-kitha is 8th from left. How many people were there in the row?

1. 25 2. 51 3. 23 **4. 35**

Q142. In a row, Alekya is 15th from left end and Srinivas is 19th from right end. They interchange their positions, and Alekya is 32nd from left. How many people were there in the row?

1. 60 **2. 50** 3. 46 4. 51

Q143. In a row, Arjun is 11th from left end and Rani is 21st from right end. They interchange their position, and Rani is now 62nd from right end. how many people were there in the row?

1. 83 2. 82 3. 74 **4. 72**

Q144. In a row of girls , Katrina who is 7th from the left and Sushma who is 7th from the right interchange their position , katrina becomes 14th from left. How many girls are there in the row?

1. **20** 2. 21 3. 22 4. 23

Q145. In a row of boys, if Deepesh who is 14th from the right and Vineet who is 10th from the left interchange their posi-tions, now Deepesh becomes 18th from the right. How many boys are there in the row?

1. 28 **2. 27** 3. 26 4. 29

Q146. In a row, Rohit is twelfth from the left end, Prameet is sixteenth from the right end and is to the right of Rohit. If there are 7 persons between them, then what is the rank of Rohit from the right end?

1. **24** 2. 26 3. 23 4. 25

Q147. In a class, Arjun is 12th from the top of the class and Yashika is 23rd from the bottom of the class. If there are 10 students between them then how many boys are there in that row?

1. 1 2. 2 3. None of these **4. Can not be determined**

Q148. Yukti is sitting at 69th position from the right end of a row of 111 people. If Mukti's position from the left end is 50th, then how many people are there between Mukti and Yukti?

1. 7 2. 18 **3. 6** 4. 9

Q149. Harish is 27th from the left end of a row of 49 boys and Mahesh is 27th from the right end in the same row. How many boys are there between them in the row?

1. 6 **2. 3** 3. 5 4. 1

Q150. In a class of 42 students, Suman's rank is 27th from the left end and Rita's rank is 28th from the right end. If Suresh's rank is exactly between Suman and Rita's rank, then what is Suresh's rank from left and right end?

1. 20, 23 **2. 21, 22** 3. 22, 22 4. 20, 22

Q151. Radha is younger than Sunita but elder than Rita. Rita is older than Geeta. Shyam is older to Rita but younger to Radha. Who is the youngest?

1. Shyam 2. Rita 3. Radha **4. Geeta**

Q152. Barun is taller than Sanjay. Bipul is taller than Barun. Krishna is also not as tall as Bipul, but is taller than Barun. Who is the tallest ?

1. Barun **2. Bipul** 3. Krishna 4. Sanjay

Q153. Mohan is taller than Shyam but shorter than Ramesh. Ramesh is taller than Rajat but shorter than Gautam. If Shyam is taller than Rajat, then who is the shortest among all?

1. Gautam **2. Rajat** 3. Shyam 4. Ramesh

Q154. Five friends A, B, C, D, and E are placed in order of their heights.

1. B is taller than C and E.

2. C is taller than D and B is not the tallest.

Regarding the given arrangement, which of the following is incorrect?

1. A is taller than D 2. C is taller than D 3. B is taller than **D 4. E is taller than C**

Q155. There are five trees of different heights. Tree A is taller than tree C, which is shorter than tree D. Tree B is the shortest of all the trees. Tree E is taller than tree A but not the tallest one. Then, which of the following trees is the tallest among all?

1. Tree C 2. Tree A **3. Tree** D 4. None of the above

Q156. Aashna ranks 25th from the top in a class of 70 students. What will be her rank from the bottom?

1. **46th** 2. 45th 3. 26th 4. 48th

Q157. Sunil ranks 19th form the right and 21st from the left. What is total number of students in a class?

1. **39** 2. 40 3. 38 4. 41

Q158. Priyanka ranks 15th form the left in a class of 41 students. What is her ranks from the right?

1. 26 **2. 27** 3. 28 4. 25

Q159. Bharati is 8 ranks ahead of Divya, who ranks 26th in a class of 42. What is Bharati’s rank from the last ?

1. 9th 2. 24th **3. 25th** 4. 34th

Q160. In a row of students Ram is 8th from the left and Madhu is 7th from the right. If there are 10 boys between them then find the total number of students of that row?

1. 24 **2. 25** 3. 30 4. 26

**Number System**

**Q161.** If x = 37146 + 64243 + 24367, then the unit digit of x is – here 146, 243, and 67 are the power of the number 37, 64 and 243

1. **0** 2. 4 3. 7 4. 9

Q162. If 7129p465 is divisible by 9, then the value of p is:

1. **2** 2. 3 3. 4 4. 0

Q163. Unit digit of the multiplication of 1015 × 521 × 739 is – Here 39 is the power of 7

1. 1 2. 3 3. 2 **4. 5**

Q164. What is the least value of K. so that 123K578 is divisible by 11.

1. 6 **2. 8** 3. 5 4. 3

Q165. The unit digit in the product (122)173 is - Here 173 is the power of 122

1. **2** 2. 4 3. 6 4. 8

Q166. What is least value of p, so that 23p56 is divisible by 6?

1. 0 **2. 2** 3. 1 4. 3

Q167. What will be the remainder when 676 is divided by 5? – Here76 is the power of 6

1. 2 **2. 1** 3. 3 4. 0

Q168. The product of the two number is 1690 and their HCF is 13 then the numbers of such possible pairs is

1. 1 **2. 4** 3. 2 4. 3

Q169. What is the difference between the biggest and the smallest fraction among 2/3,3/4,4/5 and 𝟓/𝟔?

1. **1/6** 2. 1/30 3. 1/20 4. 1/12

Q170. If 1234A6 is divisible by 18, then the value of A is \_\_\_\_\_\_\_\_\_.

1. **2** 2. 1 3. 9 4. 7

Q171. Find the remainder when 2256 divide by 17 – Here256 is the power of 2

1. 8 2. 15 3. 16 **4. 1**

Q172. If the numerator and denominator of a proper fraction are increased by the same positive quantity which is greater than zero, the resulting fraction is

1. always less than the original fraction **2. always greater than the original fraction**

3. always equal to the original fraction 4. such that nothing can be claimed definitely

Q173. Find the HCF of 72, 108 and 196.

1. 2 2. 3 **3. 4** 4. 9

Q174. Three different containers contain 420, 520 and 720 liters of liquid respectively. Then the maximum capacity of container through which we can measure the liquid of all three containers will be?

1. 10 liters **2. 20 liters** 3. 15 liters 4. 30 liters

Q175. Find the number of trailing zeroes in 75! + 79!

1. **18** 2. 19 3. 20 4. 17

Q176. Which one of the following numbers is exactly divisible by 99?

1. 42767 2. 31781 3. 21187 4. **53658**

Q177. The total number of factors of the number 36 is

1. 8 **2. 9** 3. 10 4. None of the above

Q178. Find the digit at unit place in the product (742 × 437 × 543 × 679)

1. 2 2. 4 3. 6 **4. 8**

Q179. Find the L.C.M of 3/21, 1/7, 1/35 and 4/7

1. 13/7 2. 4/7 3. 15/7 **4. 12/7**

Q180. Find the number of zeroes at the end of the product of 5 × 10 × 15 × 20 × 25 × 30 × 35 × 40 × 45 × 50.

1. 12 2. 6 **3. 8** 4. 9

Q181. When a number is divided by 65 remainder is 14, Find the remainder if the same number is divided by 13?

1. 12 2. 6 **3. 1** 4. 9

Q182. When a number is divided by 49 remainder is 6, Find the remainder if the same number is divided by 7?

1. 12 **2. 6** 3. 1 4. 9

Q183. When a interger N is divided by 7, the remainder is 4. What is the remainder if 5N is divided by 7.

1. 12 **2. 6** 3. 1 4. 9

Q184. If a number, when Divided by 39, leaves the remainder 21. If 10 is added to this number and it is divided by 13,then the remainder will be

1. 12 2. 6 3. 1 **4. 5**

**Q185. What is the remainder when 132134 is divided by 14?**

1. 12 2. 6 **3. 1** 4. 9