Tata Steel Ltd Aptitude Questions

1. It was calculated that 75 men could complete a piece of work in 20 days. When work was scheduled to commence, it was found necessary to send 25 men to another project. How much longer will it take to complete the work?

2. A student divided a number by 2/3 when he required to multiply by 3/2. Calculate the percentage of error in his result.

3. A dishonest shopkeeper professes to sell pulses at the cost price, but he uses a false weight of 950gm. for a kg. His gain is …%.

4. A software engineer has the capability of thinking 100 lines of code in five minutes and can type 100 lines of code in 10 minutes. He takes a break for five minutes after every ten minutes. How many lines of codes will he complete typing after an hour?

5. A man was engaged on a job for 30 days on the condition that he would get a wage of Rs. 10 for the day he works, but he have to pay a fine of Rs. 2 for each day of his absence. If he gets Rs. 216 at the end, he was absent for work for ... days.

6. A contractor agreeing to finish a work in 150 days, employed 75 men each working 8 hours daily. After 90 days, only 2/7 of the work was completed. Increasing the number of men by _____ each working now for 10 hours daily, the work can be completed in time.

7. what is a percent of b divided by b percent of a?

(a) a

(b) b

(c) 1

(d) 10

(d) 100

8. A man bought a horse and a cart. If he sold the horse at 10 % loss and the cart at 20 % gain, he would not lose anything; but if he sold the horse at 5% loss and the cart at 5% gain, he would lose Rs. 10 in the bargain. The amount paid by him was Rs._____ for the horse and Rs._____ for the cart.

9. A tennis marker is trying to put together a team of four players for a tennis tournament out of seven available. males - a, b and c; females – m, n, o and p. All players are of equal ability and there must be at least two males in the team. For a team of four, all players must be able to play with each other under the following restrictions:

b should not play with m,

c should not play with p, and

a should not play with o.

Which of the following statements must be false?

1. b and p cannot be selected together

2. c and o cannot be selected together

3. c and n cannot be selected together.

10. Five farmers have 7, 9, 11, 13 & 14 apple trees, respectively in their orchards. Last year, each of them discovered that every tree in their own orchard bore exactly the same number of apples. Further, if the third farmer gives one apple to the first, and the fifth gives three to each of the second and the fourth, they would all have exactly the same number of apples. What were the yields per tree in the orchards of the third and fourth farmers?

11. Five boys were climbing a hill. J was following H. R was just ahead of G. K was between G & H. They were climbing up in a column. Who was the second?

12. If a light flashes every 6 seconds, how many times will it flash in ¾ of an hour?

13. All men are vertebrates. Some mammals are vertebrates. Which of the following conclusions drawn from the above statement is correct.

All men are mammals

All mammals are men

Some vertebrates are mammals.

None

14. Which of the following statements drawn from the given statements are correct?

Given:

All watches sold in that shop are of high standard. Some of the HMT watches are sold in that shop.

a) All watches of high standard were manufactured by HMT.

b) Some of the HMT watches are of high standard.

c) None of the HMT watches is of high standard.

d) Some of the HMT watches of high standard are sold in that shop.

15-19.

1. Ashland is north of East Liverpool and west of Coshocton.

2. Bowling green is north of Ashland and west of Fredericktown.

3. Dover is south and east of Ashland.

4. East Liverpool is north of Fredericktown and east of Dover.

5. Fredericktown is north of Dover and west of Ashland.

6. Coshocton is south of Fredericktown and west of Dover.

15. Which of the towns mentioned is furthest of the north – west

(a) Ashland (b) Bowling green (c) Coshocton

(d) East Liverpool (e) Fredericktown

16. Which of the following must be both north and east of Fredericktown?

(a) Ashland (b) Coshocton (c) East Liverpool

I a only

II b only

III c only

IV a & b

V a & c

17. Which of the following towns must be situated both south and west of at least one other town?

A. Ashland only

B. Ashland and Fredericktown

C. Dover and Fredericktown

D. Dover, Coshocton and Fredericktown

E. Coshocton, Dover and East Liverpool.

18. Which of the following statements, if true, would make the information in the numbered statements more specific?

(a) Coshocton is north of Dover.

(b) East Liverpool is north of Dover

(c) Ashland is east of Bowling green.

(d) Coshocton is east of Fredericktown

(e) Bowling green is north of Fredericktown

19. Which of the numbered statements gives information that can be deduced from one or more of the other statements?

(A) 1

(B) 2

(C) 3

(D) 4

(E) 6

20. Eight friends Harsha, Fakis, Balaji, Eswar, Dhinesh, Chandra, Geetha, and Ahmed are sitting in a circle facing the center. Balaji is sitting between Geetha and Dhinesh. Harsha is third to the left of Balaji and second to the right of Ahmed. Chandra is sitting between Ahmed and Geetha and Balaji and Eshwar are not sitting opposite to each other. Who is third to the left of Dhinesh?

21. The length of the side of a square is represented by x+2. The length of the side of an equilateral triangle is 2x. If the square and the equilateral triangle have equal perimeter, then the value of x is _____.

22. It takes Mr. Karthik y hours to complete typing a manuscript. After 2 hours, he was called away. What fractional part of the assignment was left incomplete?

23. Which of the following is larger than 3/5?

(1) ½

(2) 39/50

(3) 7/25

(4) 3/10

(5) 59/100

24. There are 3 persons Sudhir, Arvind, and Gauri. Sudhir lent cars to Arvind and Gauri as many as they had already. After some time Arvind gave as many cars to Sudhir and Gauri as many as they have. After sometime Gauri did the same thing. At the end of this

transaction each one of them had 24. Find the cars each originally had.

25. A man bought a horse and a cart. If he sold the horse at 10 % loss and the cart at 20 % gain, he would not lose anything; but if he sold the horse at 5% loss and the cart at 5% gain, he would lose Rs. 10 in the bargain. The amount paid by him was Rs._____ for the horse and Rs._____ for the cart.