Aon Hewitt placement paper – 2014

Section – 1 : Quantitative Ability (20 questions in 20 minutes)

1. If a > 5, b>4, and a and b are consecutive integers then:

1] ab < 20   2] ab = 20

3] ab is divisible by 8

4] Either a or b or a+b is divisible by 3

2. Out of a sum of money, rakhi gives john one-third, john gives mallika one-third of what he has, and mallika gives rakhi one third of what she has. If John has received 36 rupees from Rakhi, how much money Rakhi has now (in rupees)?

1] 21   2] 76   3] 81   4] 36

3. 110 monkeys run at 3 km/sec for 3 minutes. How much distance the group has covered?

1] 150 m   2] 100 m   3] 240 m   4] 16500 m

4. After losing 24 lakhs in a casino, chhota don is left with 40% of the total money he had last year. If chhota don has lost half of his money over the last one year, how much money he has now?

1] 240 lakhs   2] 120 lakhs   3] 96 lakhs   4] 48 lakhs

5. Rajni covers up journey at 66 km/hr in her brand new Audi. She does her down journey by a public convenience (her Audi got stolen) at 34 km/hr. What is her average speed over the journey?

1) 56.22 Km/hr   2) 42.66 km/hr   3) 44.88 Km/hr   4) 56.58 Km/hr.

6. What number must be subtracted from each of the numbers 12, 13, 15 and 127, so that the last term is LCM of first three?

1] 4   2] 7   3] 9   4] 13

7. From a copper bronze mixture, if 12% copper is taken out, the quantities of copper and bronze become equal. What was the initial ratio of bronze to copper?

1] 22:25   2] 25:22   3] 12:17   4] 17:12

8. Let 'x' be an even number and 'y' an even number, which of the following is necessarily odd?
i) x + y   ii) (x * y) -1   iii) x * y -1

1] (i) only   2] (i) and (ii) only   3] (iii) only   4] (i) and (iii) only

9. A currency has a value 24 times that of rupee. If the value of that currency increases further by 45%, by how much percentage is its value more than rupee?

1] 2300   2] 2345   3] 3480   4] 3380

10. What will be the last second last digit of largest 4 digit number divisible by 87?

1] 1   2] 2   3] 3   4] 4

11. 20km/25cm = ?

1] 8 km   2] 80 m   3] 80000   4] None of these

12. 9 consecutive integers are taken and put in a 3X3 grid such that the sum of any column or row or diagonal elements is 24. What is the sum of integers?
1) 24   2) 48   3) 72   4) 9

13. 24 times a number when divided by 100 leaves a quotient such that the number and quotient has same digits. Find the number
1] 12   2] 13   3] 24   4] none of these

14. In a joint venture, A, B and C share the profit in ratio 2:3:5. If the money earned in a quarter by B is 786 rupees, how much money C will earn in a year?

1] Rs. 3368   2] Rs. 2400   3] Rs. 5240   4] Rs. 2760

15. A train goes past a pole in 24 sec at 36 km/hr. How much time will it take to cross a platform of length 200 m?

1] 43 sec   2] 72 sec   3] 50 sec   4] 44 sec

16. On selling a box of cookies, a baker earns 20% of the marked price. What percentage of marked price is cost price, if he offers 7% discount?

1] 52%   2] 62.5%   3] 73%   4] 67.5%

17. The wheel of a cart runs at 3 revolutions per sec. If the circumference of wheel is 2 m, how much distance can the cart cover in an hour?

1] 12.6 km 　　　　2] 16 km 　　　　3] 21.6 km 　　　　4] 24.2 km

18. The sum of the series $1^2 + 3^2 + 5^2 + 7^2 + \ldots$ upto 50 terms is:

1] 166650 　　　　2] 99990 　　　　3] 152420 　　　　4] 276528

19. A man left for his office when the angle between hands of clock was 120 degrees. Had he left one hour early, the angle would have been 150 degrees. When did he leave for the office?

1] 4 pm 　　　　2] 8 pm 　　　　3] 2 pm 　　　　4] 2:30 pm

20. What is the probability that a pair of fair dice will give LCM of 3 and 3 on a single throw?

1] 1/2 　　　　2] 1/3 　　　　3] 1/6 　　　　4] 1/12