APTITUDE QUIZ

Q1.If a and b are odd numbers, then which of the following is even

(a) a+b+ab

(b) a+b-1

(c) a+b+1

(d) a+b+2ab

Q2.216-1 is divisible by

(a) 11

(b) 13

(c) 17

(d) 19

Q3.The HCF and LCM of two numbers are 12 and 924 respectively. Then the number of such pairs is

(a) 0

(b) 1

(c) 2

(d) 4

Q4.What is the least number which, when divided by 5,6,7,8 gives the remainder 3 but is divisible by 9?

(a) 1463

(b) 1573

(c) 1683

(d) 1793

Q5.Three numbers are in the ratio 3:4:5. The sum of the larges and the smallest equals the sum of the second and 52.The smallest number is

(a) 20

(b) 27

(c) 39

(d) 52

Q6.If the radius of a circle is increased by 50% its area is increased by

(a) 125%

(b) 100%

(c) 75%

(d) 50%

Q7.A and B working separately can do a piece of work in 9 and 12 days respectively. If they work for a day alternately with A beginning, the work would completed in

(a) 10 2/3 days

(b) 10 ½ days

(c) 10 ¼ days

(d) 10 1/3 days

Q8.A and B together can do a work in 10 days. B and C together can do the same work in 6 days. A and C together can do the work in 12 days. Then, A, B and C together can do the work in

(a) 28 days

(b) 14 days

(c) 5 5/7 days

(d) 8 2/7 days

Q9.A does half as much work as B in three fourth of the time. If together they take 18 days to complete a work, how much time shall B take to do it alone?

(a) 30 days

(b) 35 days

(c) 40 days

(d) 45 days

Q10.If a wire is bent into the shape of a square, then the area of the square so formed is 81 cm2.When the wire is rebent into a semicircular shape then the area,(in cm2) of the semicircle with be (Take p=22/7)

(a) 22

(b) 44

(c) 77

(d) 154

Q11.A publisher printed 2000copies of a book at a total cost of Rs.6000.He distributed 100 copies to institutions as free samples and sold the remaining at the rate of Rs.4 per copy. His gain or loss percent is

(a) 26 1/3% Gain

(b) 26 1/3%Loss

(c) 26 2/3%Gain

(d) 26 2/3%Loss

Q12.7% of the selling price of an article is equal to 8% of its cost price; 9%of the selling price exceeds 10% of its cost price by Rs.2.The amount of profit or loss is

(a) Rs.85 profit

(b) Rs.90 profit

(c) Rs.100 loss

(d) Rs.100 profit

Q13.In a party the ratio of the number of ladies to that of gents is 1:3; if 3 ladies and 2 gents also join the party, the ratio is 1:2.The latest strength in the party is

(a) 25

(b) 19

(c) 21

(d) 20

Q14.Find the value of (4.12×4.12 - 3.12×3.12) / (4.12 - 3.12)

(a) 7.24

(b) 17

(c) 27

(d) 47

Q15.The average weight of 7 persons decreases by 2 kg if a person with weight 73 kg is replaced by another person. The weight of the new person is

(a) 57 kg

(b) 55 kg

(c) 59 kg

(d) 58 kg

Q16.The average of 200 items was 50.Later on, it was discovered that two items were misread as 92 and 8 instead of 192 and 88.The correct average is

(a) 50.7

(b) 50.9

(c) 50.3

(d) 50.2

Q17.A square is converted into a rectangle by increasing the length of the square by 15% and decreasing its breath by 15%.What is the ratio of the area of the rectangle to that of the square?

(a) 371/400

(b) 391/400

(c) 39/40

(d) 351/400

Q18.If a person pays Rs.60 every month for 5 years, at the rate of 10% simple interest, what is the actual amount of interest he is to get?

(a) Rs.1,800

(b) Rs.3,600

(c) Rs.915

(d) Rs.900

Q19.A solid cylinder has total surface area of 231 cm^2.Its covered surface area is two-thirds of the total surface area. The volume of the cylinder is:
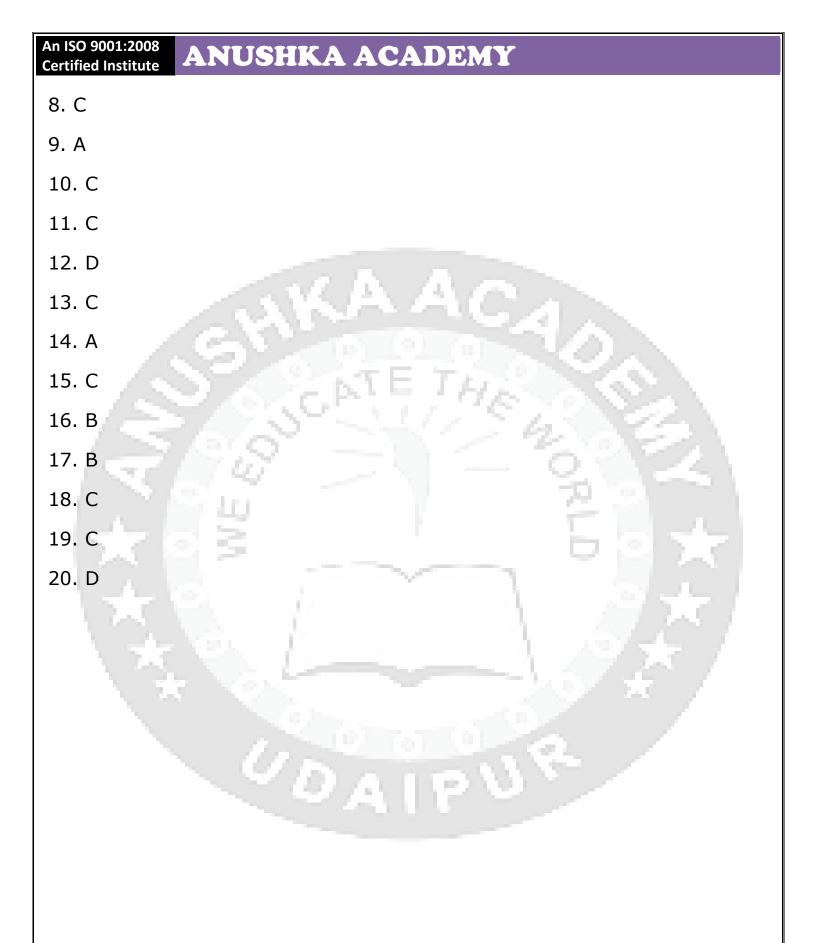
(a) 266.25cm^2

(b) 268 cm^2

(c) 269.5 cm^2

(d) None of these

Q20.How many lead shots each of 0.3 cm. in a diameter can be made from a cuboids of dimensions 9cm ×11cm ×12cm?

(a) 81,000

(b) 75,000

(c) 80,000

(d) 84,000

ANSWER

1. D

2. C

3. C

4. C

5. C

6. C

7. C

8. C

9. A

10. C

11. C

12. D

13. C

14. A

15. C

16. B

17. B

18. C

19. C

20. D