1. Mr. X spends 72% of his income on clothing, 20% on food, 5% on gifts and the remaining Tk. 330 on lottery tickets. What is his income in Taka thousands?
2. 8 (B) 9 (C) 10 (D) 11 (E) 12
3. If a jar contains 24 white marbles and 48 black marbles, then what percent of all the marbles in the jar are black?
4. 20% (B) 25% (C) % (D) 60% (E) %
5. Three friends shared the cost of a tape recorder. If Andy, Barbara, and Donna each paid Tk. 12, Tk. 30 and Tk. 18 respectively, then Donna paid what percent of the cost of the tape recorder?
6. 10% (B) 30% (C) % (D) 50% (E) %
7. If the population of a town was 20,000 in 1970 and 16,000 in 1980, what was the percent decline in the town’s population?
8. 50% (B) 25% (C) % (D) 60% (E) 5%
9. In a class, 25% of the students voted for Mr. X. Two thirds of the remaining students voted for Mr. Y. The remaining 11 students didn’t cast their votes. How many students are there in the class?
10. 64 (B) 44 (C) 36 (D) 22 (E) 16
11. Karim bought a ticket to a cricket match for Tk. 25 and later sold the ticket to Rahim for Tk. 75. What was the percent increase in the price of the ticket?
12. 50% (B) 100% (C) 200% (D) 300% (E) 400%
13. What is 10% of y/3, if 2y/3 is 10% of 600?
14. 1 (B) 2 (C) 3 (D) 4 (E) None of these
15. If 55 percent of the people who purchase a certain product is female, what is the ratio of the number of females who purchase the product to the number of males who purchase the product?
16. 11/9 (B) 10/9 (C) 9/10 (D) 9/11 (E) 5/9
17. At a company, 70% of this year’s new employees are graduates of business school and the remainders are graduates if liberal arts colleges. If 550 new employees were hired this year, what is the differences between the number of new business school employees and the number of new liberal arts employees?
18. 55 (B) 220 (C) 240 (D) 385 (E) None of these
19. A jar contains marbles of 4 different colors. The number of blue marbles is three times as many as the yellow ones. The number of red marbles is half that of the yellow ones. The number of orange marbles is equal to the number of red ones. What percent of the marbles are orange colored?
20. 10 (B) 15 (C) 20 (D) 21.5 (E) None of these
21. The cost of a pen is 20% more than that of a book and the cost of a CD is ¾ as much as the cost of the pen. If the cost of the pen is Tk. 90 more than that of the CD, what is the cost of the book in taka?
22. 120 (B) 126 (C) 192 (D) 200 (E) None of these
23. If the price of a product is increased by 15% then the seller would get Tk. 450 more. If instead, the price were increased by 10% then how much more would he get?
24. 150 (B) 200 (C) 300 (D) 325 (E) None of these
25. Thirty percent of the members of a swimming club have passed the lifesaving test. Among the members who have not passed the test, 12 have taken the preparatory course and 30 have not. How many members are there in the swimming club?
26. 80 (B) 60 (C) 100 (D) 120 (E) None of these
27. In a certain shipment 2% of the boxes shipped were damaged. If the loss per damaged box was Tk. 35 and the total loss due to damage was Tk. 700, how many boxes was shipped?
28. 20 (B) 100 (C) 200 (D) 1000 (E) None of these
29. A box contains 24 red socks and 43 green socks. How many green socks must be removed from the box so that 60% of the socks in the box will be green?
30. 6 (B) 7 (C) 8 (D) 9 (E) None of these