CLAT

Percentage

1. When a number is added to 37.5% of itself, the result is 132. Find the number.
   (A) 48
   (B) 96
   (C) 108
   (D) 192

2. If $57\frac{1}{7}\%$ of a number is subtracted from the number itself, the result is 42, then find the original number.
   (A) 96
   (B) 48
   (C) 98
   (D) 196

3. A man donates 4% of his income in charity and deposits 10% of the rest in the bank. If he still has 21600 rupees left with him, then find his income.
   (A) Rs. 35,000
   (B) Rs. 25,000
   (C) Rs. 50,000
   (D) Rs. 20,000

4. A man had a wire of a certain length.10% of the wire gets stolen, 70% of the remaining wire is sold by him. If he is still left with 1620 meter long wire then find the original length of wire-
   (A) 5000 mtr
   (B) 6000 mtr
   (C) 5500 mtr
   (D) 6500 mtr

5. The population of a city increases by $16\frac{2}{3}\%$ in the first year, decreases by $37\frac{1}{2}\%$ in second year and again increases by $57\frac{1}{7}\%$ in the third year. Find the present population of the city if the total population after three years will be 5,30,000.
   (A) 1,44,000
   (B) 2,84,000
   (C) 2,88,000
   (D) 2,68,000

6. A man spent 5% of his income on transport, 20% of the remaining on food and further donates Rs. 120. If he is left with Rs. 1400, find his income.

   (A) Rs. 1,500
   (B) Rs. 2,000
   (C) Rs. 2,500
   (D) Rs. 3,000

7. In a library, 20% of the books are in Hindi, 50% of the remaining are in English and 30% of the remaining are in French. The remaining 6300 are Mathematics books. Find the total number of books in the library.
   (A) 22,000
   (B) 23,000
   (C) 22,500
   (D) 23,500

8. In a fresh watermelon, weighing 20 kgs, the water quantity is 96%. After 5 days, the water quantity reduces to 95% due to evaporation. How much does the watermelon weigh now?
   (A) 8 Kg
   (B) 12 Kg
   (C) 14 Kg
   (D) 16 Kg

9. A fresh fruit contains 68% water and a dry fruit contains 20% water. How many kgs of dry fruits can be made from 75 kgs of fresh fruits?
   (A) 10 Kg
   (B) 20 Kg
   (C) 30 Kg
   (D) 40 Kg

10. A man spends 60% of his income and saves the rest. If his income increases by 15% and expenditure increases by 15%, find the percentage change in his savings.
    (A) 15%
    (B) 20%
    (C) 5%
    (D) 10%

11. A man spends 75% of his income. If his income is increased by 20% and expenditure is increased by 10%, find the percentage change in his savings.
    (A) 25%
    (B) 75%
    (C) 50%
    (D) 10%

12. A man spends Rs. 5700 from his income of Rs. 8550. If his income and expenditure are increased by 19% and 13% respectively, find the percentage change in his savings.
    (A) 30%
    (B) 31%
    (C) 32%
    (D) 33%

13. A man spends Rs. 9000 from his income of Rs. 13,500. If his income and expenditure

are increased by 13% and 9% respectively, find the percentage change in his savings.
(A) 21%   (B) 22%
(C) 23%   (D) 20%

14. In an election between two candidates, one candidate gets 84% of the votes and he wins by a margin of 476 votes. Find the total number of valid votes.
(A) 600   (B) 700
(C) 1400   (D) 2100

15. In an election between two candidates, one candidate gets 55% of the total valid votes, while 20% of the votes were declared invalid. If the total number of votes was 7500, find the total number of votes obtained by the other candidate.
(A) 3000   (B) 2300
(C) 2400   (D) 2700

16. In an election, 10% of the voters did not vote and $11\frac{1}{9}\%$ of the votes were declared invalid; the winner got 75% of the total valid votes. If he won by 2000 votes, then find the total number of voters.
(A) 5500   (B) 5000
(C) 6000   (D) 6500

17. If the length of the sides of a square are increased by 40%, find the percentage change in its area.
(A) 96%   (B) 94%
(C) 98%   (D) 97%

18. If radius of a circle is increased by 5%, then the increase in its area is:
(A) 10.25%   (B) 5.75%
(C) 10%   (D) 5%

19. The percentage increase in the surface area of a cube, when each side is doubled is:
(A) 200%   (B) 300%
(C) 150%   (D) 50%

20. In a class, 60% of the students pass in Hindi and 45% pass in Sanskrit. If 25% of them pass in both subjects, what percentage of the students fail in both the subjects?
(A) 80%   (B) 75%
(C) 20%   (D) 25%

21. In an examination 70% of the candidates passed in English, 80% passed in Mathematics ,10% failed in both the subjects. If 144 candidates passed in both, the total number of candidates were:
(A) 125   (B) 200
(C) 240   (D) 375

22. In an examination, 35% of the students failed in one subject, 42% failed in another subject and 15% failed in both subjects. Find the number of students who failed only in a single subject, not both, if total number of students appearing in the examination is 2500.
(A) 1325   (B) 1175
(C) 2125   (D) None of these