Sub: Arithmetic   SIMPLE INTEREST   Exam for : SSC/ Banking

1. Two equal sums were lent out at 7% and 5% S.I. respectively. The interest earned on the two loans add up to Rs.960 for 4 years. The total sum lent out in
   (1) Rs.3500   (2) Rs. 2500
   (3) Rs.2000   (4) Rs. 3000

2. At the same rate of simple interest sum of the interest of Rs. 300 for 4 years and the interest of Rs. 400 for 3 years is Rs.120. The rate of interest is
   (1) 5%   (2) 4%   (3) 6%   (4) 10%

3. If a man receives on one-fourth of his capital 3% interest, on two third 5% and on the remainder 11%, the percentage he receives on the whole is
   (1) 4.5%   (2) 5%   (3) 5.5%   (4) 5.2%

4. A certain scheme of investment in simple interest declares that it trebles the investment in 8 years. If you want to quadruple your money through that scheme, you have to invest it for
   (1) 11 years 6 months   (2) 10 years 8 months
   (3) 10 years   (4) 12 years

5. A person invests Rs.12,000 as fixed deposit at a bank at the rate of 10% per annum simple interest. But due to some pressing needs he has to withdraw the entire money after 3 years, for which the bank allowed him a lower rate of interest. If he gets Rs.3,320 less than what he would have got at the end of 5 years, the rate of interest allowed by the bank is
   (1) $7\frac{5}{9}\%$ (2) $7\frac{4}{9}\%$ (3) $7\frac{8}{9}\%$ (4) $8\frac{7}{9}\%$

6. The amount Rs.2,100 became Rs.2352 in 2 years at simple interest. If the interest rate is decreased by 1%, what is the new interest?
   (1) Rs.210 (2) Rs.220 (3) Rs.242 (4) Rs.252

7. A sum of Rs. 800 amounts to Rs.920 in 3 years at the simple interest rate. If the rate is in increased by 3% p.a., what will be the sum amount to in the same period?
   (1) Rs.992 (2) Rs.962 (3) Rs.942 (4) Rs.982

8. A person who pays income tax at the rate of 4 paise per rupee, find that a fall of interest rate from 4% to 3.75% diminishes his net yearly income by Rs.48. What is his capital?
   (1) Rs.24000   (2) Rs.25000
   (3) Rs.20000   (4) Rs. 18000

9. A sum of money was invested at a certain rate of simple interest for 2 years. Has it been invested at 1% higher rate, it would have fetched Rs. 24 more interest. The sum of money is
   (1) Rs. 1200   (2) Rs. 1050
   (3) Rs. 1000   (4) Rs. 9600

10. Rs.12,000 is divided into two parts so that the simple interest on the first part for 3 years at 12% per annum may be equal to the simple interest on the second part for $4\frac{1}{2}$ years at 16% per annum. The ratio of the first part to the second part is
    (1) 2 : 1   (2) 1 : 2   (3) 2 : 3   (4) 3 : 2

11. If x, y, z are there sum of money such that y is the simple interest on x and z is the simple interest on y for the same time and at the same rate of interest, then we have
    (1) $z^2 = xy$ (2) $xyz = 1$ (3) $x^2 = yz$ (4) $y^2 = zx$

12. In how many years will the simple interest on a sum of money be equal to the principal at the rate of $16\frac{2}{3}\%$ per annum?
    (1) 4years (2) 5 years (3) 6 years (4) 8 years

13. The difference between the simple interest received from two different banks on Rs.500 for 2 years in Rs.2.50. The difference between their (per annum) rate of interest is
    (1) 0.10% (2) 0.25% (3) 0.50% (4) 1.00%

14. The simple interest on a sum of money is $\frac{1}{16}$ of the principal and the number of years is equal to the rate percent per annum. The rate per annum is
    (1) $1\frac{1}{2}\%$ (2) $2\frac{1}{2}\%$ (3) $3\frac{1}{2}\%$ (4) $4\frac{1}{2}\%$

15. In how many years will a sum of money double itself at 12% per annum?
    (1) 8yrs. 6months (2) 6yrs.9months
    (3) 8yrs. 4moths (4) 7yrs.6months

16. A sum of money amounts to Rs.850 in 3 years and to Rs. 925 in 4 years at same rate of simple interest the sum is (Rs)
    (1) 550   (2) 600   (3) 625   (4) 700

17. In how many years will a sum of Rs.3000 yield a simple interest of Rs.1,080 at 12% per annum?
    (1) 3yrs.   (2) $2\frac{1}{2}$ yrs   (3) 2yrs.   (4) $3\frac{1}{2}$ yrs

18. A person deposited Rs.400 for 2 years, Rs. 550 for 4 years and Rs.1200 for 6 years. He received the total simple interest of Rs.1020. The rate of interest per annum is
    (1) 10%   (2) 5%   (3) 15%   (4) 20%

19. The sum of money, that will give Rs.1 as interest per day at the rate of 5% per annum simple interest is
    (1) Rs.3650   (2) Rs. 36500
    (3) Rs. 730   (4) Rs. 7300

20. A sum of money at simple interest amounts to Rs.1012 in $2\frac{1}{2}$ years and to Rs.1067.20 in 4 years. The rate of interest per annum is
    (1) 2.5%   (2) 3%   (4) 4%   (5) 5%