

## Simple Interest & Compound Interest.

1. An amount of Rs400 becomes Rs424 in 3 years at a certain rate of simple interest, If the rate of interest increases by 8%, then amount of Rs400 in 2 years will become(s)  
(c) Rs480 (d) Rs490 (a) Rs450 (b) Rs425
2. Harshan took a loan at the rate of 7% p.a. simple interest in the year with an increase of 0.25% in each subsequent year. He paid interest of Rs4425 after 4 years. How much loan did he take?  
(a) Rs 15500 (c) Rs15200 (b) Rs15250 (d) Rs15000
3. A person lends 30% of sum at 30% p.a. 50% of sum at 14% p.a. and the remaining sum at 12% p.a. at simple interest. The rate of interest, if it is calculated on the whole sum is  
(a) 18.1% p.a. (b) 18.3% p.a. (d) 18.6% p.a. (c) 18.4% p.a.
4. Anil invested some amount at the rate of 15% simple interest and a certain amount at the rate of 20% simple interest. He received yearly interest of Rs1900. But if he had interchanged the amounts invested, he would have received Rs550 more as interest. Then the amount he invest at 20% simple interest is  
(a) 7106.5 (b) 7142.8 (c) 7116.5 (d) 7654.5
5. Divide 8000 into two parts so that simple interest on first part for 3 year at 5% p.a. may be equal to simple interest on the second part for 5 year at 9% p.a.  
(a) Rs 5000, Rs3000 (b) Rs6500, Rs1500 (c) Rs6000, Rs2000 (d) Rs4500, Rs3500
6. Ankit borrowed some money at the rate of 3% p.a. for the first 4 years, at the rate of 4% p.a. for the next 3 years and at the rate of 9% p.a. for the period beyond 7 years. If he pays a total simple interest of 21000 at the end of 9 years, how much money did he borrow?  
(a) Rs49500 (b) Rs51500 (c) Rs49900 (d) Rs50000
7. An equal amount of sum is invested in two schemes for 5 years each, both offering simple interest. The interest amount obtained at 14% is Rs1000 more than that obtained at 10%. Then the total sum invested is (a) Rs9000 (b) Rs9500 (c) Rs12200 (d) Rs10000
8. Ashok lent Rs7000 to Asha for 3 years and Rs4000 to Charu for 2 years on simple interest and at same rate of interest. If Ashok received Rs3000 as total interest from both, then the rate of interest will be  
(a) 10.81% (b) 11.37% (c) 10.35% (d) 10.75%
9. What annual installment will discharge a debt of Rs1053 due in 3 years at 8% simple interest?  
(a) Rs324 (b) Rs325 (c) Rs320 (d) Rs330
10. Stokes gave a loan of Rs400 to Rashid and recovered it at the rate of Rs100 each month for six months, commencing from the end of 1st month. Then the effective rate of simple interest per annum is  
(a) 115% (b) 100% (c) 95% (d) 105%
11. Find the amount of debt that will be discharged by equal installments of Rs150 each, if the debt is due in 4 years at 2% p.a.  
(a) Rs618 (b) Rs634 (c) Rs674 (d) rs650
12. Prakash lent Rs9000 to Amit for 4 years and Rs6000 to Harish for 2 years on simple interest and at same rate of interest. If Prakash received Rs2500 as total interest from both, then the rate of interest is  
(a) 5.80% (b) 5.30% (c) 5.20% (d) 5.75%

## Simple Interest & Compound Interest.

13. Mahesh lent sum of Rs960 to Rajesh in the beginning of the year at certain rate of interest. After 4 months Rs480 is lent to the same person but the rate of interest is twice the former. At the end of the year Rs120 is earned as total interest by Mahesh. Then the original rate of interest is

(a) 8.85% (b) 8.45% (c) 7.39% (d) 9.37%

14. Mathews gave a loan of Rs1200 to Antony and recovered it at the rate of Rs180 each month for eight months, commencing from the end of 1st month. The effective rate of simple interest per annum is

(a) 38% (b) 30% (c) 33% (d) 35%

15. A watch is sold for Rs540 cash or for Rs240 cash down payment together with Rs324 to be paid after one month. The rate of interest charged in the installment scheme is

(a) 96% (b) 85% (c) 90% (d) 95%

16. The amount of debit that will be discharged by 9 equal installments of Rs220 each, if the debit is due in 6 years at 3% p.a. is

(a) Rs1149 (b) Rs1419 (c) Rs1491 (d) Rs1941

17. A certain sum of money at simple interest amounts to Rs1500 in 4 years and to 1860 in 7 years. The rate percent per annum is:

(a) 11.27% (b) 11.54% (c) 11.76% (d) 11.54%

18. Two equal amounts of money are deposited in two finance institutes, each at 7% per annum, for 3 year 6 months and 4 year 6 months. If the difference between their interests is 84, each sum is:

(a) Rs1600 (b) Rs1400 (c) Rs1200 (d) Rs1620

19. If Rs486 becomes Rs544 in 6 years at certain simple rate of interest. If the rate of interest increases by 5%, what amount will Rs486 become in 3 years?

(a) Rs 560 (b) Rs685 (c) Rs588 (d) Rs600

20. Abhishek took a loan at simple interest rate of 6% in a year with an increase of 0.5% in each subsequent years. He paid interest of Rs6125 after 5 years. The loan he took is

(a) Rs17500 (b) Rs17250 (c) Rs17200 (d) Rs18000

1. c.2.d 3.a 4.b 5.c 6.d 7.d 8.c 9.b 10.b 11.a 12.c 13.d 14.b 15.a 16.b 17.c 18.c 19.c 20.a