

SIMPLE INTEREST & COMPOUND INTEREST

1. What would be the simple interest accrued in 4yr on a principle of Rs 18440 at the rate 15 % per annum?
a) Rs 11075 b) Rs 12250 c) Rs 11500 d) Rs 12985 e) None of the above
2. What will be the simple interest on Rs 4000 at $12\frac{1}{2}\%$ per annum for the period from 4th February, 2005 to 18th April, 2005?
a) Rs 215 b) Rs 120 c) Rs 200 d) Rs 100 e) None of the above
3. Rakesh lent out Rs 8750 at 7% annual interest. Find the simple interest in 3yr.
a) Rs 1870 b) Rs 1837.50 c) Rs 1560 d) Rs 2200
4. What will be simple interest for 1 yr and 4 months on a sum of Rs 25800 at the rate of 14% per annum?
a) Rs 4816 b) Rs 2580 c) Rs 4816.75 d) Rs 4815
5. A sum at simple interest of $13\frac{1}{2}\%$ per annum amounts to Rs 3080 in 4 yr. Find the sum.
a) Rs 1550 b) Rs 1680 c) Rs 2000 d) Rs 1850 e) None of the above
6. The sum which amounts to Rs 364.80 in 8 yr at 3.5% simple interest per annum is
a) Rs 285 b) Rs 280 c) Rs 275 d) Rs 270
7. Find the difference in amount and principal for Rs 4000 at the rate of 5% annual interest in 4 yr.
a) Rs 865.50 b) Rs 865 c) Rs 400 d) 800 e) None of the above
8. Kriya deposits an amount of Rs 65800 to obtain a simple interest at the rate of 14% per annum for 4 yr. What total amount will Kriya get at the end of 4 yr?
a) Rs 102648 b) Rs 115246 c) Rs 125578 d) Rs 110324 e) None of the above
9. A sum becomes its double in 10 yr. Find the annual rate of simple interest.
a) 1% b) 5% c) 10% d) 20% e) None of the above
10. A certain sum becomes 3 fold at 4% annual rate of interest. At what rate, it will become 6 fold?
a) 10% b) 12% c) 8% d) 9% e) None of the above
11. In a certain time, a sum becomes 4 times at the rate of 5% per annum. At what rate of simple interest, the same sum becomes 8 times in the same duration?
a) $12\frac{2}{3}\%$ b) $11\frac{3}{5}\%$ c) $11\frac{2}{3}\%$ d) $12\frac{3}{5}\%$ e) None of the above
12. In what time, does a sum of money become four fold at the simple interest rate of 10% per annum?
a) 40yr b) 30yr c) 15yr d) 25 yr e) None of the above
13. How long will a sum of money invested at 5% per annum SI take to increase its value by 50%?
a) 10yr b) 12yr c) 15yr d) 7yr e) None of the above
14. A sum becomes 6 fold at 5% per annum. At what rate, the sum becomes 12 fold?
a) 10% b) 12% c) 9% d) 11% e) None of the above

15. A sum becomes two fold in 6 yr at a certain rate of interest. Find the time in which the same amount will be 10 fold at the same rate of interest.
 a) 35 yr b) 49 yr c) 59 yr d) 54 yr e) None of the above
16. At simple interest, a sum becomes 3 times in 20 yr. Find the time, in which the sum will be double at the same rate of interest.
 a) 8 yr b) 10 yr c) 12 yr d) 14 yr e) None of the above
17. Ajay takes some loan from Rashmi at the rate of 5% per annum and after 2yr, Ajay gave back Rs 8800 to Rashmi and this way paid his whole loan. Find the interest paid by Ajay.
 a) Rs 825 b) 975 c) Rs 800 d) Rs 850 e) None of the above
18. A certain sum becomes Rs 600 In a certain time at the rate of 6% simple interest. The same sum amounts to Rs 200 at the rate of 1% simple interest in the same duration. Find the sum and time.
 a) Rs 120 and $66\frac{2}{3}$ yr b) Rs 150 and $66\frac{2}{3}$ yr c) Rs 130 and $66\frac{2}{3}$ yr
 d) Rs 160 and $66\frac{2}{3}$ yr e) None of the above
19. At a simple interest, a sum amounts to Rs 1012 in $12\frac{1}{2}$ yr and becomes Rs 1067. 20 in 4 yr. What is the rate of interest?
 A) 2.5% b) 3% c) 4% d) 5 %
20. Simple interest for the sum of Rs 1500 is Rs 30 in 4 yr and Rs 60 in 8 yr Find the rate of simple interest.
 a) 2.5% b) 1.5% c) 0.5 % d) 0.25 % e) None of the above
21. Simple interest for the sum of Rs 1230 for 2yr is Rs 10 more than the simple interest for Rs 1130 for the same duration. Find the rate of interest.
 a) 5% b) 6% c) 8% d) 2%
22. A certain sum becomes 8 fold in 15 yr at simple interest. What will be the rate interest?
 a) $46\frac{5}{3}$ % b) $46\frac{2}{3}$ % c) $46\frac{5}{8}$ % d) $46\frac{11}{12}$ %
23. For a certain sum, the simple interest in 2 yr at 8 % per annum is Rs 110 more than the simple interest in 1 yr at the rate of 5% per annum for the same sum. Find the sum.
 a) Rs 5000 b) Rs 1000 c) Rs 1050 d) Rs 950
24. A sum was lent out for a certain time. The sum amounts to Rs 400 at 10% annual interest rate. When the sum was lent out at 4% annual interest rate it amounts to Rs. 200. Find the sum.
 a) Rs. $\frac{200}{3}$ b) Rs.100 c) Rs. $\frac{400}{3}$ d) Rs. $\frac{500}{3}$
25. A sum was invested for 4 yr at a certain rate of simple interest. If it had been invested at 2% more annual rate of interest, then Rs 56 more would have been obtained. What is the sum?
 a) Rs 680 b) Rs 700 c) Rs 720 d)Rs 820 e) None of the above

26. The simple interest on a certain sum of money for $2\frac{1}{2}$ yr at 12% per annum is Rs. 20 less than the simple interest on the same sum for $3\frac{1}{2}$ yr at 10% per annum Find the sum.
a) Rs 800 b) Rs 750 c) Rs 625 d) Rs 400 e) None of the above
27. At what rate per annum will the simple interest on a certain sum of money be $\frac{1}{5}$ of the amount in 10yr
a) 5% b) 2% c) 1% d) 8% e) None of the above
28. Raju lent Rs. 400 to Ajay for 2 yr and Rs. 100 to Manoj for 4 yr and received from both Rs. 60 as collective interest. Find the rate of interest, simple interest being calculated.
a) 5% b) 6% c) 8% d) 9%
29. Rashmi lent Rs 600 to Geeta for 2 yr and Rs 150 to Seeta for 4 yr and received altogether Rs 80 as simple interest from both. Find the rate of interest.
a) $3\frac{4}{9}\%$ b) $2\frac{4}{9}\%$ c) $5\frac{4}{9}\%$ d) $4\frac{4}{9}\%$ e) None of the above
30. Harsha makes a fixed deposit of Rs 20000 in Bank of India for a period of 3 yr. If the rate of interest be 13 % SI per annum charged half-yearly what amount will he get after 42 months?
a) Rs 27800 b) Rs 28100 c) Rs 29100 d) Rs 30000
31. 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 per cent annum. Find the rate per cent.
a) $2\frac{1}{2}\%$ b) $3\frac{1}{2}\%$ c) $4\frac{1}{2}\%$ d) $9\frac{1}{2}\%$ e) None of the above
32. What will be the compound interest on a sum of Rs 50000 after 3yr at the rate of 12 % pa?
a) Rs 80000 b) Rs 70246.40 c) Rs 20246.40 d) Rs 70000 e) None of the above
33. Vandana invested an amount of Rs 8000 in a fixed deposit scheme for 2 yr at the rate of 5% pa compound interest. How much amount will Vandana get on maturity of the fixed deposit?
a) Rs 8000 b) Rs 8890 c) Rs 8888 d) Rs 8820 e) None of the above
34. A sum amounts to Rs 1352 in 2 yr at 4% compound interest. The sum is
a) Rs 1250 b) Rs 1200 c) Rs 1300 d) Rs 1260
35. Raja invested Rs 15000 at the rate of 10% pa for 1 yr If the interest is compounded half-yearly, then find the amount received by Raja at the end of the year.
a) Rs 16537.50 b) Rs 18000 c) Rs 19000.50 d) Rs 20000 e) None of the above
36. What will be the present worth of Rs 169 due in 2yr at 4% pa compound interest?
a) Rs 156.25 b) Rs 160 c) Rs 150.50 d) Rs 154.75
37. Find the compound interest on Rs 31250 at 16% pa compounded quarterly for 9 months.
a) Rs 4000 b) Rs 3902 c) Rs 3500 d) Rs 4200 e) None of the above

38. The compound interest on Rs 30000 at 7% pa for a certain time is Rs 4347. The time is

- a) 2 yr b) 2.5yr c) 3 yr d) 4yr

39. The compound interest on a sum of Rs 4000 becomes Rs 630.50 in 9 months. Find the rate of interest, if interest is compounded quarterly.

- a) 20% b) 23% c) 19% d) 21%

40. The population of a city increases at the rate of 5% pa. If the present population of the city is 185220, then what was its population 3 yr ago?

- a) 181500 b) 183433 c) 160000 d) 127783 e) None of the above

41. The population of a country is 10 crore and it is the possibility that the population will become 13.31 crore in 3yr. What will be the annual rate per cent on this growth?

- a) 8% b) 12.7% c) 10% d) 15%

42. A sum of Rs 400 amounts to Rs 441 in 2yr. What will be its amount, if the rate of interest is increased by 5%?

- a) Rs. 484 b) Rs. 560 c) Rs. 512 d) Rs. 600

43. The cost price of an LCD TV set is Rs 100000. If its price value depreciates at the rate of 10% pa, then what will be the price at the end of 3yr?

- a) Rs 80000 b) Rs 85000 c) Rs 90000 d) Rs 72900 e) None of the above

44. Income of Shantanu was Rs 4000. In the first 2yr, his income decreased by 10% and 5% respectively but in the third year, the income increased by 15%. What was his income at the end of third year?

- a) Rs 3933 b) Rs 4000 c) Rs 3500 d) Rs 3540 e) None of the above

45. A Sum, at the compound rate of interest, beomes $2\frac{1}{2}$ times in 6 yr. The same sum becomes what times in 18 yr?

- a) $\frac{5}{2}$ b) $\frac{25}{4}$ c) $\frac{125}{8}$ d) $\frac{625}{16}$ e) None of the above

46. What is the difference between compound interest and simple interest for 2 yr on the sum of Rs 1250 at 4% pa?

- a) Rs 3 b) Rs 4 c) Rs 2 d) Rs 8 e) None of the above

47. The difference between compound and simple rates of interest on Rs 10000 for 3yr at 5% per annum is

- a) Rs 76.25 b) Rs 76.75 c) Rs 76.50 d) Rs 76

48. If the difference between the compound interest and the simple interest on a certain sum for 2 yr at 8% per annum is Rs 32, then the sum is

- a) Rs 5000 b) Rs 5500 c) Rs 6000 d) Rs 5250

- 49.** If the difference between the compound interest and simple interest on a sum of money at 5% pa for 2 yr Rs 16, then find the simple interest.
- a) Rs 840 b) Rs 932 c) Rs 520 d) Rs 640 e) None of the above
- 50.** The simple interest for certain sum in 2 yr at 4% pa is Rs 80. What will be the compound interest for the same sum, if conditions of rate and time period are same?
- a) Rs 91.60 b) Rs 81.60 c) Rs 71.60 d) Rs 80
- 51.** The compound interest is Rs 6.40 more than the simple interest if a sum is lent for 2 yr at 8% compound interest. Find the sum.
- a) Rs 1800 b) Rs 10000 c) Rs 800 d) Rs 1000
- 52.** A sum amounts to Rs 2916 in 2 yr and Rs 3149.28 in 3 yr at compound interest. The sum is
- a) Rs 1500 b) Rs 2500 c) Rs 2000 d) Rs 3000
- 53.** At what per cent annual compound interest a certain sum amounts to its 27 times in 3 yr?
- a) 100% b) 150% c) 75% d) 200%