SIMPLE INTEREST

1. A sum of ₹ 4000 is lent for 5 years at the rate of 15% per annum. Find the interest.
   (1) ₹ 3000 (2) ₹ 2000 (3) ₹ 1000
   (4) ₹ 1500 (5) None of these
2. If the simple interest on ₹ 625 increases by ₹ 25, when the time increases by 2 years. Find the rate per cent per annum.
   (1) 2% (2) 3% (3) 1%
   (4) 0.5% (5) None of these
3. A man deposits ₹ 1350 in a bank at 5% per annum and ₹ 1150 in another bank at 6% per annum. Find the rate of interest for the whole sum.
   (1) 5.40% (2) 6.40% (3) 5.46%
   (4) 115% (5) None of these
4. The simple interest on a sum of money is $\frac{4}{9}$ of the principal, and the number of years is equal to the rate per cent per annum. Find the rate per cent.
   (1) $6\frac{2}{3}\%$ (2) $5\frac{3}{5}\%$ (3) $7\frac{2}{3}\%$
   (4) $6\frac{1}{3}\%$ (5) None of these
5. If the simple interest on ₹ 1350 be more than the interest on ₹ 1250 by ₹ 20 in 2 years, find the rate per cent per annum.
   (1) 5% (2) 10% (3) 6% (4) 8%
   (5) None of these
6. If simple interest on ₹ 375 increases by ₹ 75, when the rate % increases by 5% per annum. Find the time.
   (1) 2 years (2) 8 years (3) 4 years
   (4) None of these
7. What annual instalment will discharge a debt of ₹ 4,200 due in 5 years at 10% simple interest?
   (1) ₹ 700 per year (2) ₹ 350 per year
   (3) ₹ 750 per year (4) ₹ 650 per year
   (5) None of these
8. Arun borrowed a sum of money from Jayant at the rate of 8% per annum simple interest for the first four years, 10% per annum for the next 6 years and 12% per annum for the period beyond 10 years. If he pays a total of ₹ 12160 as interest only at the end of 15 years, how much money did he borrow?
   (1) ₹ 8000 (2) ₹ 10000 (3) ₹ 12000
   (4) ₹ 9000 (5) None of these
9. In what time does a sum of money become thrice at the simple interest rate of 8% per annum?
   (1) 30 years (2) 15 years (3) 20 years
   (4) 25 years (5) None of these
10. A certain sum is invested for certain time. It amounts to ₹ 400 at 10% per annum. But when invested at 4% per annum, it amounts to ₹ 200. Find the time.
    (1) 100 years (2) 75 years (3) 50 years
    (4) 60 years (5) None of these
11. A certain sum is invested for certain time. It amounts to ₹ 150 at 5% per annum. But when invested at 3% per annum, it amounts to ₹ 100. Find the sum.
    (1) ₹ 50 (2) ₹ 25 (3) ₹ 30
    (4) ₹ 60 (5) None of these
12. A sum was put at SI at a certain rate for 3 years. Had it been put at 4% higher rate, it would have fetched ₹ 600 more. Find the sum.
    (1) ₹ 5000 (2) ₹ 4000 (3) ₹ 6000
    (4) ₹ 3000 (5) None of these
13. A certain sum of money amounts to ₹ 550 in 3 years and to ₹ 650 in 4 years. Find the sum.
    (1) ₹ 250 (2) ₹ 300 (3) ₹ 150
    (4) ₹ 350 (5) None of these
14. A sum was put at SI at a certain rate for 4 years. Had it been put at 5% lower rate, it would have fetched ₹ 100 less. Find the sum.
    (1) ₹ 500 (2) ₹ 5000 (3) ₹ 400
    (4) ₹ 4000 (5) None of these
15. Anish borrowed ₹ 15000 at the rate of 12% and an other amount at the rate of 15% for two years. The total interest paid by him was ₹ 9000. How much did he borrow?
    (1) ₹ 32000 (2) ₹ 33000 (3) ₹ 30000
    (4) ₹ 63000 (5) None of these
16. At a certain rate of simple interest ₹ 400 amounted to ₹ 460 in 3 years. If the rate of interest be decreased by 3%, what will be the amount after 3 years?
    (1) ₹ 424 (2) ₹ 484 (3) ₹ 242
    (4) ₹ 848 (5) None of these
17. ₹ 1,200 amounts to ₹ 1,632 in 4 years at a certain rate of simple interest. If the rate of interest is increased by 1%, it would amount to how much?
    (1) ₹ 1635 (2) ₹ 1644 (3) ₹ 1670
    (4) ₹ 1680 (5) None of these
18. The simple interest on a sum of money will be ₹ 150 after 4 years. In the next 4 years principal becomes 5 times, what will be the total interest at the end of the 8th year?
    (1) ₹ 950 (2) ₹ 850 (3) ₹ 900
    (4) ₹ 860 (5) None of these
19. The simple interest on a sum of money will be ₹ 225 after 3 years. In the next 5 years principal becomes 3 times, what will be the total interest at the end of the 8th year?
    (1) ₹ 1250 (2) ₹ 1330 (3) ₹ 1360
    (4) ₹ 1350 (5) None of these

20. A sum of ₹ 1521 is lent out in two parts in such a way that the interest on one part at 10% for 5 years is equal to that on another part at 8% for 10 years. Find the two sums.
(1) ₹ 926, ₹ 595 (2) ₹ 906, ₹ 615
(3) ₹ 916, ₹ 605 (4) ₹ 936, ₹ 585
(5) None of these

21. A sum of money becomes two times at the simple interest rate of 2% per annum. At what rate per cent will it become five fold?
(1) 10% (2) 8% (3) 6%
(4) 9% (5) None of these

22. A certain sum of money amounted to ₹ 810 at 4% in a time in which ₹ 450 amounted to ₹ 720 at 3%. If the rate of interest is simple, find the sum.
(1) ₹ 500 (2) ₹ 450 (3) ₹ 600
(4) ₹ 475 (5) None of these

23. A certain sum of money amounts to ₹ 5000 in 5 years at 10% per annum. In how many years will it amount to ₹ 6000 at the same rate?
(1) 8 years (2) 6 years (3) 10 years
(4) 9 years (5) None of these

24. ₹ 8829 is divided into three parts in such a way that their amounts at 4% per annum simple interest after 5, 6 and 8 years are equal. Find each part of the sum.
(1) ₹ 3069, ₹ 2970, ₹ 2790
(2) ₹ 3609, ₹ 2970, ₹ 2790
(3) ₹ 3089, ₹ 2970, ₹ 2790
(4) ₹ 3069, ₹ 2960, ₹ 2760
(5) None of these

25. What principal will amount to ₹ 560 in 3 years at 4 per cent per annum simple interest?
(1) ₹ 540 (2) ₹ 500 (3) ₹ 550
(4) ₹ 560 (5) None of these

26. A person lent a certain sum of money at 4% simple interest, and in 5 years the interest amounted to ₹ 520 less than the sum lent. Find the sum lent.
(1) ₹ 600 (2) ₹ 650 (3) ₹ 700
(4) ₹ 750 (5) None of these

27. A sum of money doubles itself in 5 years. It will become 4 times of itself in–
(1) 10 years (2) 12 years (3) 15 years
(4) 20 years (5) None of these

28. The simple interest on ₹ 1250 will be less than the interest on ₹ 1400 at 3% simple interest by ₹ 45. Find the time.
(1) 10 years (2) 9 years (3) 8 years
(4) 6 years (5) None of these

29. The difference in simple interests on a certain sum at 4% per annum for 3 years and at 5% per annum for 2 years is ₹ 50. Find the sum.
(1) ₹ 5000 (2) ₹ 4000 (3) ₹ 3000
(4) ₹ 2500 (5) None of these

30. The difference between the interest received from two different banks on ₹ 200 for 3 years is ₹ 60. Find the difference between their rates.
(1) 5% (2) 7% (3) 10%
(4) 9% (5) None of these

31. A sum of money lent out at simple interest amounts to ₹ 720 in 2 years and to ₹ 1020 in 7 years. Find the rate per cent per annum.
(1) 10% (2) 12% (3) 5%
(4) 15% (5) None of these

32. Sudhir borrows ₹ 6000 from a bank at SI. After 4 years he paid ₹ 2500 to the bank and at the end of 5 years from the date of borrowing he paid ₹ 4560 to the bank to settle the account. Find the rate of interest.
(1) 3% (2) 3.5% (3) 3.85%
(4) 4.5% (5) None of these

33. Some amount out of ₹ 950 was lent at 6% per annum and the remaining at 4% per annum. If the total simple interest from both the fractions in 5 years was ₹ 200, find the sum lent at 6% per annum.
(1) ₹ 700 (2) ₹ 100 (3) ₹ 250
(4) ₹ 450 (5) None of these

34. Out of a certain sum, $\frac{1}{3}$rd is invested at 3%, $\frac{1}{6}$th at 6% and the rest at 8%. If the simple interest for 2 years from all these investments amounts to ₹ 600, find the original sum.
(1) ₹ 5000 (2) ₹ 6000 (3) ₹ 5200
(4) ₹ 5500 (5) None of these

35. The simple interest on certain sum ₹ 625 is ₹ 100, and the number of years is equal to the rate per cent per annum. Find the rate per cent.
(1) 5% (2) 4% (3) 3%
(4) 4.5% (5) None of these

36. A certain sum of money is borrowed by a person at 3% simple interest for 4 years. If he has to pay ₹ 120 as interest, find the total amount he has to pay.
(1) ₹ 1020 (2) ₹ 820 (3) ₹ 1120
(4) ₹ 1220 (5) None of these

37. The simple interest on ₹ 400 for 5 years together with that on ₹ 600 for 4 years came to ₹ 132, the rate being the same in both the cases. Find the rate per cent of interest.
(1) 1% (2) 5% (3) 4%
(4) 3% (5) None of these

38. On ₹ 3000 invested at a simple interest rate 6 per cent per annum, ₹ 900 is obtained as interest in certain years. In order to earn ₹ 1600 as interest on ₹ 4000 in the same number of years, what should be the rate of simple interest?
(1) 7 per cent (2) 8 per cent
(3) 9 per cent (4) Data inadequate
(5) None of these

39. At what rate of interest per annum will a sum double itself in 8 years?
(1) 12½% (2) 5% (3) 6%
(4) 10½% (5) None of these

40. If x is the simple interest on y and y is the simple interest on z, the rate % and the time being the same in both cases, what is the relation between x, y and z?
(1) $x^2 = yz$ (2) $y^2 = xz$ (3) $z^2 = xy$
(4) $xyz = 1$ (5) None of these

SIMPLE INTEREST

1. (1)	**2.** (1)	**3.** (3)	**4.** (1)	**5.** (2)	**6.** (3)	**7.** (1)	**8.** (1)	**9.** (4)	**10.** (3)
11. (2)	**12.** (1)	**13.** (1)	**14.** (1)	**15.** (2)	**16.** (1)	**17.** (4)	**18.** (3)	**19.** (4)	**20.** (4)
21. (2)	**22.** (2)	**23.** (1)	**24.** (1)	**25.** (2)	**26.** (2)	**27.** (3)	**28.** (1)	**29.** (4)	**30.** (3)
31. (1)	**32.** (5)	**33.** (2)	**34.** (1)	**35.** (2)	**36.** (3)	**37.** (4)	**38.** (2)	**39.** (1)	**40.** (2)