SIMPLE INTEREST

1. A sum or Rs 4000 is lent for 5 years at the rate of 15% per annum. Find the interest.

   (1) Rs 3000   (2) Rs 2000

   (3) Rs 1000   (4) Rs 4000

   (5) None of these

2. If the simple interest on Rs 625 increases by Rs 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. The simple interest on a sum of money is 1/2 of the principle, and the number of years is equal to the rate per cent 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

4. If simple interest on Rs 375 increases by Rs75, when the rate % increases by 5% per annum. Find the time.

   (1) 2 years   (2) 8 years

   (3) 4 years   (4) 6 years

   (5) None of these

5. 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

6. 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 Rs 600 more. Find the sum.

   (1) Rs 5000   (2) Rs 4000

   (3) Rs 6000   (4) Rs 3000

   (5) None of these

7. A certain sum of money amounts to Rs 550 in 3 years and to Rs 650 in 4 years. Find the sum.

   (1) Rs 500   (2) Rs 5000

   (3) Rs 400   (4) Rs 4000

   (5) None of these

8. The simple interest on a sum of money will be Rs 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 years?

   (1) Rs 950   (2) Rs 900

   (3) Rs 910   (4) Rs 860

   (5) None of these

9. The simple interest on a sum of money will be Rs 225 after 3 years. In the next 5 years principal becomes 3 times, what will be the total interest at the end of 8 the years?

   (1) Rs 1250   (2) Rs 1330

   (3) Rs 1360   (4) Rs 1350

   (5) None of these

10. 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

11. A sum of money doubles itself in 5 years. It will become 4 times of itself in

   (1) 10 years   (2) 15 years

   (3) 12 years   (4) 20 years

   (5) None of these

12. The simple interest on Rs 1250 will be less than the interest on Rs 1400 at 3% simple interest by Rs 45. Find the time.

   (1) 10 years   (2) 9 years

   (3) 8 years   (4) 6 years

(5) None of these

13. The difference in simple interests on a certain sum at 4% per annum for 3 years and 5% per annum for 2 years is Rs 50. Find the sum.

(1) Rs 5000   (2) Rs 4000

(3) Rs 3000   (4) Rs 2500

(5) None of these

14. The difference between the interests received from two different banks on Rs 200 for 3 years is Rs 60. Find the difference between their rates.

(1) 10%   (2) 12%

(3) 15%   (4) 17%

(5) None of these

15. A sum of money lent out at simple interest amounts to Rs 720 in 2 years and to Rs 1020 in 7 years. Find the rate per cent per annum.

(1) 10%   (2) 3.5%

(3) 3.85%   (4) 15%

(5) None of these

16. At what rate of interest per annum will a sum double itself in 8 years?

(1) $12\frac{1}{2}$ %   (2) 5%

(3) 6%   (4) $10\frac{1}{2}$%

(5) None of these

17. If x is the simple interest on 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) x2 = yz   (2) y2 = xz

(3) z2 = xy   (4) xyz = 1

(5) None of these

18. A sum of money doubles itself in 10 years at simple interest. What is the rate of interest?

(1) 8 %   (2) 7%

(3) 6%   (4) 10 %

(5) None of these

19. A sum of money triples itself in 20 years at SI. Find the rate of interest.

(1) 12%   (2) 5%

(3) 10%   (4) $10\frac{1}{2}$ %

(5) None of these

20. In what time does a sum of money become four times at the simple interest rate of 5% per annum?

(1) 20 years   (2) 60 years

(3) 35 years   (4) 30 years

(5) None of these

21. Ashish borrowed Rs 15000 at the rate of 12% and another amount at the rate of 15% for two years. The total interest paid by him was Rs 9000. How much did he borrow?

(1) Rs 32,000   (2) Rs 33,000

(3) Rs 30,000   (4) Rs 63,000

(5) None of these

22. Rajesh deposited two parts of a sum of Rs 25000 in different banks at the rates of 15% per annum and 18% per annum respectively. In one year he got Rs 4050 as the total interest. What was the amount deposited at the rate of 18% per annum?

(1) Rs 9,000   (2) Rs 18,000

(3) Rs 15,000   (4) Rs 20,000

(5) None of these

23. The simple interest in 14 months on a certain sum at the rate of 60% per annum is Rs 250 more than the interest on the same sum at the rate of 8% in 8 months. How much amount was borrowed?

(1) Rs 15000   (2) Rs 25000

(3) Rs 7500   (4) Rs 14500

(5) None of these

24. The simple interest in 14 months on a certain sum at the rate of 6 per cent per annum is Rs 250 more than the interest on the same sum at the rate of 8 per cent in 8 months. How much amount was borrowed?

(1) Rs 15,000   (2) Rs 25,000

(3) Rs 7,500   (4) Rs 14,500

(5) None of these

25. In what time will a sum of money double itself at 5% per annum simple interest being charged?

(1) 10 years   (2) 20 years

(3) 15 years   (4) 8 years

(5) None of these

26. At what rate per cent simple interest will a sum of money double itself in 20 years?

(1) 4%   (2) 3%

(3) 5%   (4) 7%

(5) None of these

27. Nitin obtained an amount of Rs 8376 as simple interest on a certain amount at 8 p.c.p.a. after 6 years. What is the amount invested by Veena?

(1) Rs 17180   (2) Rs 18110

(3) Rs 16660   (4) Rs 17450

(5) None of these

28. The simple interest on a sum of money will be Rs 600 after 10 years. If the principal is trebled after 5 years, the total interest at the end of 10 years will be.

(1) Rs 600   (2) Rs 900

(3) Rs 1200   (4) D a t e inadequate

(5) None of these

29. In what time will Rs 72 become Rs 81 at $6\frac{1}{4}\%$ per annum simple interest?

(1) 2 years   (2) 3 years

(3) 2.5 years   (4) D a t e inadequate

(5) None of these

30. A sum of Rs 1500 is lent out in two parts in such a way that the simple interest on one part at 10% per annum for 5 years is equal to that on the second part at 12.5% per annum for 4 years. The sum lent out at 12.5% is

(1) Rs 500   (2) Rs 1000

(3) Rs 750   (4) Rs 1250

(5) None of these

31. Simple interest on a certain sum at a certain annual rate of interest is 1/9 of the sum. If the numbers representing rate per cent and time in years be equal, then the rate of interest is

(1) 5 %   (2) 6.6 %

(3) 8%   (4) 3.33%

(5) None of these

32. Simple interest on a certain amount is 9/16 of the principal. If the numbers representing the rate of interest in per cent and time in years be equal, then time for which the principal is lent out is

(1) 7.5 years   (2) 6 years

(3) 8 years   (4) 3 years

(5) None of these

33. A lends Rs. 2500 to B and a certain sum to C at the same rate at 7 % per annum, simple interest. If after 4 years, A altogether receives Rs.1120 as interest from B and C, then the sum lent to C is

(1) Rs. 1000   (2) Rs. 1500

(3) Rs. 1200   (4) Rs. 1250

(5) None of these

34. Two equal sums of money were lent at simple interest at 11 % per annum for 3.5 years and 4.5 years respectively. If the difference in interests for two periods was Rs. 421.50, then each sum is

(1) Rs. 5100   (2) Rs. 3000

(3) Rs. 1800   (4) Rs. 2500

(5) None of these

35. If the simple interest on a certain sum for 15 months at 7.5 % per annum exceeds the simple interest on the same sum for 8 months at 12.5 % per annum by Rs. 32.50, then the sum is

(1) Rs. 3500   (2) Rs. 6000

(3) Rs. 3120   (4) Rs. 4200

(5) None of these

36. Roshan invests a certain sum of money at 6% per annum simple interest and another sum at 7 % per annum simple interest. His income from interest after 2 years was Rs. 354. One-fourth of the first sum is equal to one-fifth of the second sum. The total sum invested was

(1) Rs. 2700   (2) Rs. 2500

(3) Rs.2200   (4) Rs. 3000

(5) None of these

37. A borrowed some money from B at 12 % per annum simple interest for 3 years. He then added

some more money to be borrowed sum and lent it to C for the same period at 14% per annum rate of interest. If A gains Rs. 93.90 in the whole transaction, then how much money did he add from his side?

(1) Rs. 110   (2) Rs. 105

(3) Rs. 120   (4) Rs. 190

(5) None of these

38. Tina borrowed Rs. 500 @ 3 % per annum simple interest and Rs. 600 @ 4.5% per annum on the agreement that the whole sum will be returned only when the total interest becomes Rs. 126. The number of years, after which the borrowed sum is to be returned, is

(1) 5 years   (2) 6 years

(3) 8 years   (4) 3 years

(5) None of these

39. A lends Rs. 5000 to B for 2 years and Rs. 3000 to C for 4 years on simple interest at the same rate of interest and received Rs. 2200 in all from both of them as interest. What is the rate of interest per annum?

(1) 5.5 %   (2) 10%

(3) 8%   (4) 3.33%

(5) None of these

40. A sum of Rs. 725 is lent in the beginning of a year at a certain rate of interest. After 8 months, a sum of Rs. 362.50 more is lent but at the rate twice the former. At the end of the year, Rs.33.50 is earned as interest from both the loans. What was original rate of interest?

(1) 3.46%   (2) 6 %

(3) 9%   (4) 3.33%

(5) None of these

41. The difference between the simple interest received from two different sources on Rs.1500 for 3 years is Rs 13.50. The difference between their rate of interest is

(1) 1.5 %   (2) 0.3 %

(3) 2%   (4) 0.5%

(5) None of these

42. Chitra invested an amount of Rs 12,000 at the rate of 10 % per annum simple interest and another amount at the rate of 20 % simple interest. The total interest earned at the end of the year on the total amount invested became 14 % per annum. Find the total amount invested.

(1) Rs. 18000   (2) Rs. 18750

(3) Rs. 25,000   (4) Rs. 15,000

(5) None of these

43. What should be the least number of years in which the simple interest on Rs. 2600 at 6.5% will be an exact number of rupees?

(1) 2   (2) 1

(3) 4   (4) 5

(5) None of these

44. The rate of simple interest in two banks A and B are in the ratio 5:4. A person wants to deposit his total savings in two banks in such a way that he received equal half-yearly interest from both. He should deposit the savings in banks A and B in the ratio

(1) 4:5   (2) 6:5

(3) 8:7   (4) 3:7

(5) None of these

45. A sum was put at simple interest at a certain rate for 2 years. Had it been put at 3% higher rate, it would have fetched Rs. 72 more. The sum is

(1) Rs. 1200   (2) Rs. 1600

(3) Rs. 1130   (4) Rs. 1250

(5) None of these

46. If the annual rate of simple interest from 10% to 12.5%, a man's yearly income increases by Rs.1250. His principal is

(1) Rs. 55,000   (2) Rs. 37,000

(3) Rs. 50,000   (4) Rs. 35,000

(5) None of these

47. A moneylender finds that due to a fall in the annual rate of interest from 8% to 7.75%, his yearly income diminishes by Rs.61.50. His capital is

(1) Rs. 22,500   (2) Rs. 24,000

(3) Rs. 21,000   (4) Rs. 24,600

(5) None of these

48. What annual payment will discharge a debt of Rs. 6450 due in 4 years at 5% simple interest?

(1) Rs. 1600   (2) Rs. 1250

(3) Rs. 1500   (4) Rs. 1575

(5) None of these

49. A person takes a loan of Rs. 200 at 5% simple interest. He returns Rs.100 at the end of the year. In order to clear his dues at the end of 2 years, he would pay

(1) Rs. 115   (2) Rs. 200

(3) Rs. 120   (4) Rs. 151

(5) None of these

50. The price of a sofa set worth Rs. 20,000 is to be paid in 20 installments of Rs.1000 each. If the rate of interest be 6% per annum and the first installment be paid at the time of purchase, then the value of the last installment covering the interest as well will be

(1) Rs. 12450   (2) Rs. 15500

(3) Rs. 17,000   (4) Rs. 15,000

(5) None of these

51. If the rate increases by 2%, the simple interest received on a sum of money increases by Rs. 108. If the time period is increased by 2 years, the simple interest on the same sum increases by Rs.180. The sum is

(1) Rs. 1200   (2) Rs. 500

(3) Rs. 60   (4) Rs. 110

(5) Cannot be determined

52. Geeta invested an amount of Rs. 13,900 divided in two different schemes A and B at the simple interest of 14% per annum and 11% per annum respectively. If the total amount of simple interest earned in 2 years be Rs. 3508, what was the amount invested in scheme B?

(1) Rs. 5600   (2) Rs. 6400

(3) Rs. 8265   (4) Rs. 3124

(5) None of these

53. A sum of Rs. 2600 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 at 9% for 6 years. The sum lent out at 10% is

(1) Rs. 1520   (2) Rs. 1700

(3) Rs. 1345   (4) Rs. 1750

(5) None of these

54. A sum of Rs. 1550 was lent partly at 5% and partly at 8% per annum simple interest. The total interest received after 3 years was Rs.300. The ratio of the money lent at 5% to that lent at 8% is

(1) 5:3   (2) 16:15

(3) 11:9   (4) 4:3

(5) None of these

55. A sum fetched a total simple interest of Rs.4016.25 at the rate of 9% per annum in 5 years. What is the sum?

(1) Rs. 5132   (2) Rs. 6450

(3) Rs. 7134   (4) Rs. 8925

(5) None of these

56. The simple interest at x% for x years will be Rs. x on a sum of

(1) Rs. 200/x   (2) Rs. 5x

(3) Rs. 100/x   (4) Rs. 3x

(5) None of these

57. A certain amount earns simple interest of Rs. 1750 after 7 years. Had the interest been 2% more, how much more interest would it have earned?

(1) 5 %

(2) 6.6 %

(3) 8%

(4) Data inadequate

(5) None of these

58. In how many years Rs.150 will produce the same interest @ 8% as Rs.800 produce in 3 years @ 4.5%?

(1) 5

(2) 9

(3) 8

(4) Data inadequate

(5) None of these

59. A sum of money becomes 7/6 of itself in 3 years at a certain rate of simple interest. The rate per annum is

(1) 47/13%   (2) 50/9%

(3) 8%   (4) 3.33%

(5) None of these

60. If Rs. 64 amounts to Rs. 83.20 in 2 years, what

will Rs.86 amount to in 4 years at the same rate per cent annum?

(1) 51.60 (2) 66 (3) 43.25
(4)42.75 (5) None of these

61. The simple interest on a certain sum of money at the rate of 5% per annum for 8 years is Rs.840. At what rate of interest the same amount can be received on the same sum after 5 years?

(1) 5 % (2) 8 %

(3) 9% (4) 3.33%

(5) None of these

62. The interest on a certain deposit at 4.5% per annum is Rs.202.50 in one year. How much will the additional interest in one year be ort the same deposit at 5% per annum?

(1) Rs. 51 (2) Rs. 25

(3) Rs. 80 (4) Rs. 30

(5) None of these

63. At the rate of 8.5% per annum simple interest, a sum of Rs.4800 will earn how much interest in 2 years 3 months?

(1) Rs. 918 (2) Rs. 750

(3) Rs. 860 (4) Rs. 352

(5) None of these

64. What will be the simple interest earned on an amount of Rs.16, 800 in 9 months at the rate of 6.25% per annum?

(1) Rs.512.45 (2) Rs. 787.50

(3) Rs. 816 (4) Rs. 452

(5) None of these

65. The simple interest on Rs.1820 from March 9, 2003 to May 21, 2003 at 7.5% rate will be

(1) Rs. 52 (2) Rs. 65

(3) Rs. 87 (4) Rs. 30

(5) None of these

66. A person borrows Rs.5000 for 2 years at 4% per annum simple interest. He immediately lends it to another person at 6.25% per annum for 2 years. Find his gain in the transaction per year.

(1) Rs. 125 (2) Rs. 156

(3) Rs. 112.50 (4) Rs. 132

(5) None of these

67. How much time will it take for an amount of Rs.450 to yield Rs.81 as interest at 4.5% per annum of simple interest?

(1) 4 years (2) 6 years

(3) 5.5 years (4) 3 years

(5) None of these

68. A sum of Rs. 1600 gives a simple interest of Rs.252 in 2 years and 4 months. The rate of interest per annum is

(1) 5.35% (2) 5.75%

(3) 8.17% (4) 6.25%

(5) None of these

69. Ranjan took a loan of Rs. 1200 with simple interest for as many years as the rate of interest. If she paid Rs.432 as interest at the end of the loan period, what was the rate of interest?

(1) 5% (2) 6%

(3) 8% (4) 4%

(5) None of these

70. A man took a loan from a bank at the rate of 12% per annum simple interest. After 3 years, he had to pay Rs.5400 interest only for the period. The principal amount borrowed by him was

(1) Rs. 15,000 (2) Rs. 12340

(3) Rs. 14500 (4) Rs. 10,575

(5) None of these

71. What is the present worth of Rs. 132 due in 2 years at 5% simple interest per annum?

(1) Rs. 525 (2) Rs. 659

(3) Rs. 823 (4) Rs. 350

(5) None of these

72. The simple interest on Rs.1000 for 4 months at the rate of 3 paise per rupee per month

(1) 110 (2) 135

(3) 156 (4) 132

(5) None of these

73. A sum of money at simple interest amounts to Rs.815 in 3 years and to Rs.854 in 4 years. The sum is

(1) Rs. 544 (2) Rs. 698

(3) Rs. 720   (4) Rs. 351

(5) None of these

74. A sum of money lent out at simple interest amounts to Rs.720 after 2 years and to Rs.1020 after a further period of 5 years. The sum is

(1) Rs. 522   (2) Rs. 643

(3) Rs. 600   (4) Rs. 350

75. The rate at which a sum becomes four times of itself in 15 years at S.I. will be

(1) 15 %   (2) 20%

(3) 18%   (4) 13.33%

76. If a sum of money at simple interest doubles in 6 years, it will become 4 times in

(1) 18 years   (2) 16 years

(3) 15 years   (4) 13 years

77. A sum of money trebles itself in 15 years 6 months. In how many years would it double itself?

(1) 15/4   (2) 6

(3) 31/4   (4) 5

(5) None of these

78. The simple interest on a sum of money at 8% per annum for 6 years is half the sum. The sum is

(1) Rs. 1000   (2) Rs. 500

(3) Rs. 120   (4) D a t a inadequate

(5) None of these

79. At what rate per cent per annum will the simple interest on a sum of money be 2/5 of the amount in 10 years?

(1) 5 %   (2) 6 %

(3) 4%   (4) 3.33%

(5) None of these

ANSWERS

1.	1	15.	1	29.	1	43.	2	57.	4	71.	5
2.	1	16.	1	30.	3	44.	1	58.	2	72.	5
3.	5	17.	2	31.	4	45.	1	59.	2	73.	2
4.	3	18.	4	32.	1	46.	3	60.	1	74.	3
5.	4	19.	3	33.	2	47.	4	61.	2	75.	2
6.	1	20.	2	34.	5	48.	3	62.	5	76.	1
7.	5	21.	2	35.	3	49.	1	63.	1	77.	3
8.	2	22.	2	36.	1	50.	5	64.	2	78.	4
9.	5	23.	1	37.	2	51.	5	65.	5	79.	3
10.	2	24.	1	38.	4	52.	2	66.	3		
11.	2	25.	2	39.	2	53.	3	67.	1		
12.	1	26.	3	40.	5	54.	4	68.	5		
13.	4	27.	4	41.	2	55.	4	69.	2		
14.	1	28.	3	42.	5	56.	3	70.	1		