

## Simple Interest And Compound Interest Test

**Instruction:** In the following questions, select the correct choice among the alternatives given below the question.

- 1. Sudha borrowed Rs. 400 from her friend at the rate of 12% per annum for  $2\frac{1}{2}$  years. The interest and the amount paid by her were:**  
(a) Rs. 140, Rs. 540 (b) Rs. 130, Rs. 530  
(c) Rs. 125, Rs. 525 (d) Rs. 120, Rs. 520
- 2. A borrowed Rs. 5000 from B at simple interest. After 4 years, B received Rs. 1000 more than the amount given to B on loan. The rate of interest was:**  
(a) 5% (b) 25% (c) 20% (d) 4%
- 3. If the simple interest on Rs. 1500 increases by Rs. 30, when the time increases by 8 years. The rate percent per annum is:**  
(a) 0.5% (b) 0.25% (c) 0.75% (d) 1.25%
- 4. Mukul invested an amount of Rs. 12000 at the simple interest rate of 10 percent and another amount at the simple interest rate of 20 percent per annum. The total interest earned at the end of one year on the total amount invested became 14 percent per annum. The total amount invested was:**  
(a) Rs. 22, 000 (b) Rs. 25, 000 (c) Rs. 20, 000  
(d) Rs. 24, 000
- 5. The simple interest on a sum of money is  $\frac{1}{25}$  of the principal and the number of years is equal to the rate percent per annum. The rate percent is:**  
(a) 3% (b) 4% (c) 2%  
(d) 2.5%
- 6. The simple interest on a sum of money is equal to the principal and the number of years is equal to the rate percent per annum. The rate percent is:**  
(a) 25% (b) 100% (c) 10% (d) 12%

7. 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 percent per annum. The rate percent is:
- (a)  $6\frac{2}{3}\%$                       (b)  $5\frac{3}{5}\%$                       (c)  $7\frac{2}{3}\%$                       (d)  $6\frac{1}{3}\%$
8. If the simple interest on Rs. 1200 be more than the interest on Rs. 1000 by Rs. 30 in 3 years, the rate percent per annum will be:
- (a) 5%                      (b) 7%                      (c) 6%  
(d) 8%
9. What annual installment will discharge a debt of Rs. 47250 due 3 years hence at the rate of 5% simple interest?
- (a) Rs. 15500                      (b) Rs. 16000                      (c) Rs. 15000  
(d) Rs. 14000
10. What annual payment will discharge a debt of Rs. 19350 due 4 years hence at the rate of 5% simple interest?
- (a) Rs. 4500                      (b) Rs. 5400                      (c) Rs. 4000                      (d) none of these
11. Arun borrowed a sum of money from Jayant at the rate of 8% per annum simple interest for the first 4 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 Rs. 12160 as interest only at the end of 15 years, how much money did he borrow?
- (a) Rs. 8000                      (b) Rs. 10000                      (c) Rs. 12000                      (d) Rs. 9000
12. In what time does a sum of money becomes four times at the simple interest rate of 10% per annum?
- (a) 30 years                      (b) 25 years                      (c) 35 years                      (d) 40 years
13. At what rate of interest per annum will a sum becomes 5 times in 20 years at SI?
- (a) 20%                      (b) 16%                      (c) 25%  
(d) 10%
14. A certain sum is invested for certain time. It amounts to Rs. 400 at 10% per annum. But when invested at 4% per annum, it amounts to Rs. 200. The time is:

- (a) 100 years                      (b) 75 years                      (c) 50 years                      (d) 60 years
- 15. A certain sum is invested for certain time. It amounts to Rs. 450 at 7% per annum. But when invested at 5% per annum, it amounts to Rs. 350. The time is:**
- (a) 50 years                      (b) 60 years                      (c) 45 years                      (d) 40 years
- 16. A sum was put at S.I at a certain rate for 6 years. Had it been put at 4% higher rate, it would have fetched Rs. 960 more. The sum was:**
- (a) Rs. 3000                      (b) Rs. 3500                      (c) Rs. 4000                      (d) Rs. 4500
- 17. A sum was put at a certain rate for 3 years. Had it been put at 4% high rate, it would have fetched Rs. 600 more. The sum was:**
- (a) Rs. 5000                      (b) Rs. 4000                      (c) Rs. 6000                      (d) Rs. 3000
- 18. A certain sum of money amounts to Rs. 1125 in 5 years and to Rs. 1200 in years. The sum is:**
- (a) Rs. 900                      (b) Rs. 500                      (c) Rs. 1000                      (d) Rs. 800
- 19. A sum of money lent out at simple interest amounts to Rs. 460 in 3 years while in 5 years it amounts to Rs. 500. The sum and the rate of interest will be:**
- (a) Rs. 400, 4%                      (b) Rs. 300, 5%                      (c) Rs. 400, 5%  
(d) Rs. 300, 4%
- 20. Anish borrowed Rs. 15000 at the rate of 12% and another number at the rate of 15% for two years. The total interest paid by him was Rs. 9000. How much did he borrow?**
- (a) Rs. 32000                      (b) Rs. 33000                      (c) Rs. 30000  
(d) Rs. 63000

**Answers to the above questions**

Questions no.	Answers
1.	(d)
2.	(a)
3.	(b)
4.	(c)
5.	(c)
6.	(c)

7.	(a)
8.	(a)
9.	(c)
10.	(a)
11.	(a)
12.	(a)
13.	(a)
14.	(c)
15.	(a)
16.	(c)
17.	(a)
18.	(c)
19.	(c)
20.	(b)

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