SI & CI

1. In how many years will an amount of Rs.600 yield Rs.144 as interest at a rate of 6% per annum under simple interest?
A) 2 years   B) 3 years
C) 4 years   D) 5 years

2. A sum of Rs.8,000 amounts to Rs.10,400 in 5 years at simple interest. What is the rate of interest per annum?
A) 5%   B) 6%   C) 7%   D) 8%

3. A woman took a loan from a bank at the rate of 10% per annum under simple interest. After 4 years, she had to pay Rs.4,000 as interest. What was the principal amount she borrowed?
A) Rs.8000   B) Rs.9000
C) Rs.10000   D) Rs.11000

4. What will be the ratio of simple interest earned by a certain amount at the same rate of interest for 5 years and that for 8 years?
A) 5 : 8   B) 3 : 4
C) 2 : 5   D) 4 : 7

5. If Rs.500 amounts to Rs.700 in 5 years under simple interest, what will it amount to in 2 years at the same rate of interest?
A) Rs.580   B) Rs.600
C) Rs.620   D) Rs.640

6. A certain sum of money amounts to $\frac{5}{2}$ of itself in 4 years under simple interest. What is the rate of interest per annum?
A) 37.5%   B) 25.8%
C) 30.6%   D) 35.7%

7. In how many years will Rs.6,000 lent at 5% per annum on simple interest earn the same interest as Rs.8,000 will earn in 4 years at 6% per annum on simple interest?
A) 4.6 years   B) 5.8 years
C) 6.4 years   D) 8.2 years

8. Ravi borrows Rs.50,000 at 8% per annum simple interest for 4 years and lends it at 8% per annum compound interest (compounded annually) for 4 years. What is his total gain after four years?
A) Rs.1280   B) Rs.1600
C) Rs.1920   D) Rs.2025

9. Find the compound interest on Rs.8,000 at 12% per annum for a time

period of 3 years, compounded annually.
A) Rs.1152　　B) Rs.3239
C) Rs.2000　　D) Rs.2048

10. The compound interest on Rs.16,000 at 10% per annum is Rs.3360. Find the time period (in years) if the interest is compounded annually.
A) 2 years　　B) 3 years
C) 4 years　　D) 5 years

11. The difference between simple interest and compound interest on Rs.80000 for 2 years at a certain rate is Rs.128. Find the rate of interest per annum.
A) 4%　　　B) 8%
C) 10%　　D) 12%

12. The difference between simple interest and compound interest on a certain sum of money for 3 years at 8% per annum is Rs.512. Find the principal amount.
A) Rs.18068　　B) Rs.20000
C) Rs.25974　　D) Rs.28098

13. Ravi invests Rs.6000 at 5% per annum simple interest. In how many years will the interest earned be equal to the interest earned on Rs.2000 invested at 4% per annum for 25 years?

A) $\dfrac{8}{5}$ years　　B) $\dfrac{7}{5}$ years

C) $\dfrac{3}{2}$ years　　D) $\dfrac{20}{3}$ years

14. Rajesh invests Rs.10,000 in a business. A part of the sum was invested at 10% simple interest per annum and the remaining part at 15% simple interest per annum. If the total interest accrued in two years is Rs.2,600, how much was invested at 15% simple interest per annum?
A) Rs.4000　　B) Rs.5000
C) Rs.6000　　D) Rs.7000

15. A sum of money is invested at 5% p.a. simple interest for the first 4 years, 8% p.a. for the next 3 years, and 10% p.a. for the remaining period beyond 7 years. If the total simple interest earned in 9 years is .1,980, what is the principal amount? (Approx)
A) Rs.3094　　B) Rs.4590
C) Rs.5200　　D) Rs.5500

16. Ayushi received Rs.23340 as simple interest on a certain principal amount at a rate of 15% per annum after 9 years. What was the initial investment?

A) Rs.16325   B) Rs.17100
C) Rs.17289
D) Rs.19000