Practice Questions

Type 1 To Find the Unknown Term

1. Find the simple interest on ₹ 7200 at 8% per annum for 10 months.
   (1) ₹ 480   (2) ₹ 420   (3) ₹ 450   (4) ₹ 410
   (5) None of these

2. Find the simple interest on ₹ 12000 at 10% per annum for 3 months.
   (1) ₹ 325   (2) ₹ 300   (3) ₹ 340   (4) ₹ 375
   (5) None of these

3. Find the simple interest on a principal of ₹ 16000 in $2\frac{1}{2}$ yr at $8\frac{1}{2}$% per annum.
   (1) ₹ 2860   (2) ₹ 3400   (3) ₹ 1840   (4) ₹ 4200
   (5) None of these

4. Find the simple interest on a principal of ₹ 5600 in $3\frac{1}{2}$ yr at $6\frac{1}{4}$% per annum.
   (1) ₹ 1120   (2) ₹ 1400   (3) ₹ 1050   (4) ₹ 1225
   (5) None of these

5. Find the SI on ₹ 14600 at $8\frac{1}{4}$% per annum for the period from 10th March 2009 to 17th June 2009.
   (1) ₹ 310   (2) ₹ 320   (3) ₹ 330   (4) ₹ 340
   (5) None of these

6. Find the amount on a principal of ₹ 3600 for 2 yr 9 months at the rate $8\frac{1}{3}$% per annum
   (1) ₹ 5175   (2) ₹ 4425   (3) ₹ 5425   (4) ₹ 4175
   (5) None of these

7. The simple interest earned on a certain sum is ₹ 1560 at the rate 8% per annum in 2 yr. Find the sum.
   (1) ₹ 9630   (2) ₹ 9140   (3) ₹ 9750   (4) ₹ 9810
   (5) None of these

8. A certain sum amounts to ₹ 7080 in 2 yr and to ₹ 8430 in $4\frac{1}{2}$ yr at simple interest. Find the rate of interest.
   (1) 7%   (2) 8%   (3) 6%   (4) 9%
   (5) None of these

9. What sum of money will amount to ₹ 7852 in 4 yr at $7\frac{1}{2}$% per annum simple interest?
   (1) ₹ 6010   (2) ₹ 6040
   (3) ₹ 6030   (4) ₹ 6070
   (5) None of these

10. At what rate will ₹ 14400 give ₹ 4032 as simple interest in 3 yr 6 months?
    (1) 8%   (2) 9%
    (3) $8\frac{1}{2}$%   (4) $9\frac{1}{2}$%
    (5) None of these

11. In what time will a sum double itself at 8% per annum simple interest?
    (1) 12 yr   (2) 10 yr
    (3) $12\frac{1}{2}$ yr   (4) $10\frac{1}{2}$ yr
    (5) None of these

12. At what rate will a sum increase by 25% in 2 yr at SI?
    (1) $12\frac{1}{2}$%   (2) 12%
    (3) $10\frac{1}{2}$%   (4) 10%
    (5) None of these

13. At what rate would ₹ 2800 yield an interest of ₹ 693 in 3 yr?
    (1) $8\frac{1}{2}$%   (2) $7\frac{1}{2}$%
    (3) $9\frac{1}{4}$%   (4) $10\frac{1}{2}$%
    (5) None of these

14. In what time would ₹ 5000 amount to ₹ 5800 at 8% per annum simple interest?
    (1) 1 yr   (2) 5 yr   (3) 4 yr   (4) 2 yr
    (5) None of these

15. In what time would a sum double itself at $12\frac{1}{2}$% per annum simple interest?
    (1) $8\frac{1}{3}$ yr   (2) $8\frac{1}{2}$ yr   (3) $8\frac{1}{4}$ yr   (4) 8 yr
    (5) None of these

16. In what time would ₹ 5400 at 8% per annum yield the same interest as ₹ 2400 at 9% per annum in 4 yr.
    (1) 2 yr   (2) $2\frac{1}{2}$ yr   (3) $1\frac{1}{2}$ yr   (4) 1 yr
    (5) None of these

17. A sum of ₹ 5000 was lent at 6% per annum and ₹ 6000 at 7% per annum simple interest. After what time would the total interest be ₹ 1080?
    (1) $1\frac{1}{4}$ yr   (2) $1\frac{1}{3}$ yr   (3) $1\frac{1}{2}$ yr   (4) $1\frac{1}{6}$ yr
    (5) None of these