

# SIMPLE INTEREST

## WORK SHEET(BASIC)

### SECTION-A(each carry 1 mark)

#### CHOOSE THE CORRECT OPTION

1.(a)Money borrowed from a bank is called \_\_\_\_\_.

(i)Amount      (ii) Interest      (iii)Loan      (iv)Rate of interest

(2)Extra money paid by bank is \_\_\_\_\_.

(i)Rate of interest      (ii)Principal      (iii)Amount      (iv)Interest

(3)Amount = \_\_\_\_\_.

(i)Principal + interest      (ii) Principal - interest      (iii)Principal + time      (iv)Interest – principal

4.The formula of calculate S.I is \_\_\_\_\_.

(i)  $\frac{PXRXT}{100}$       (ii)  $\frac{S.IX100}{RXT}$       (iii)  $\frac{S.IX100}{PXR}$       (iv)  $\frac{S.IX100}{PXT}$

5. Mr Dash borrowed Rs.1,50,000 from a bank for 2 years at 7%interest per annum .The money he will return to the bank is called \_\_\_\_\_.

(i) interest      (ii) Loan      (iii)Amount      (iv) simple Interest

#### Fill in the blanks.

6.If Amount is Rs.5,000 , Interest is Rs.1250 then principal = \_\_\_\_\_.

7.Extra money charged by the bank for every hundred rupees deposit is called \_\_\_\_\_.

8.4 months = \_\_\_\_\_years.

9.If S.I is Rs.1000 and amount is Rs.4,500 then principal is Rs. \_\_\_\_\_.

10. 125 days = \_\_\_\_\_years.

**SECTION-B(each carry 2 mark)**

**SHORT ANSWER TYPE – I**

- 11.If  $P = \text{Rs.}1300$  ,  $R=7\%$  ,  $T=2$  years , find S.I .
- 12.Amount = Rs.10,000 , Interest=Rs.2690, then find the principal.
13. If principal is Rs.10,000 and interest got is half of the principal after 1 year , then find the amount.
- 14.Calculate the simple interest at the end of 1 year on Rs.4,000 at 5%interest per annum .
15. If S.I =Rs,12,000  $R=6\frac{1}{2}\%$  and  $T=2$  years then calculate S.I.

**SECTION-C (each carry 3 mark)**

**SHORT ANSWER TYPES –II**

- 16.Rahul borrowed Rs.2500 from Raman at 6% interest per annum . Find the simple interest Rahul has to pay after four years to Raman.
- 17.Anju borrowed Rs.15,000 from bank at 8%interest per annum. After 1 year 6 months how much amount will she return to the bank?
- 18.Arun borrowed Rs.6,000 from his friend at 4% interest per annum for  $1\frac{1}{2}$  years.How much amount he will return after  $1\frac{1}{2}$  year to his friend ?
- 19.Calculate the amount for  $P=\text{Rs.}9,000$   $R=5\%$  and  $T=5\frac{1}{2}$  years .

**SECTION-D (each carry 4 mark)**

**LONG ANSWER TYPE QUESTIONS**

- 20.Rohan borrowed Rs.10,000 from a bank at 7%interest per annum for 3 yrs and Mohan borrowed Rs. 10,000 from another bank at 6%interest per annum for 4 yrs .Find their interests , also find the amounts they will return to the bank.
- 21.Aman took a loan of Rs.50,000 from S.B.I at 7% interest per annum for 5 years . After 5 years he returned only Rs.60,000 to the bank .How much more money he has to pay to the bank ?

22. Rohan had deposited Rs.2000 in a bank for two years at 7.5% simple interest per annum .How much money will he get after two years 6months from the bank ?

23. Mr Lal took a loan of Rs.10,000 from bank at 7% per annum and purchased a cow for Rs.7,500. After 3 years he returned the principal only .How much money he has to pay more to the bank ?

24. Soham deposited Rs.3000 in a bank at 10% interest per annum .What amount will he get back after  $3\frac{1}{2}$  years ?

## **SIMPLE INTEREST**

### **WORK SHET (STANDARD)**

#### **SECTION-A (each carry 1 marks)**

#### **CHOOSE THE CORRECT OPTION**

1. The extra money paid by a bank for every Rs.100 after one year is called \_\_\_\_\_.

(i) Amount                      (ii) Principal                      (iii) Interest                      (iv) Rate of interest

2. If you borrow Rs.1,00,000 from a bank ,then this amount is called \_\_\_\_\_.

(i) Amount                      (ii) Principal                      (iii) Interest                      (iv) Rate of interest

3. Principal is Rs.8,800 , Interest is Rs.1,250, then amount = \_\_\_\_\_.

(i) Rs.9,050                      (ii) Rs.10,250                      (iii) Rs10,050                      (iv) Rs.10,350

4. A sum of money at simple interest amount Rs.815 in 3 years and to Rs.854 in 4 years .What is the simple interest in one year .

(i) Rs.52                      (ii) Rs.39                      (iii) Rs700                      (iv) Rs.650

5. If  $P=Rs.100$   $R=5\%$  per annum  $T=1$  year then amount will be \_\_\_\_\_.

(i) Rs.105                      (ii) Rs.1050                      (iii) Rs.1000                      (iv) Rs.150

**FILL IN THE BLANKS**

- 6.The formula to calculate S.I is \_\_\_\_\_.
- 7.If interest is Rs.2050 and amount is Rs.8,000 then principal is \_\_\_\_\_.
- 8.If the S.I on a sum of money is Rs.1150 in a year ,then S.I for two year will be \_\_\_\_\_.
- 9.If a sum of money doubles itself after one year , then interest will be equal to \_\_\_\_\_.
- 10.The S.I for P =Rs.500 R=5% per annum and T=3months is \_\_\_\_\_.

**SECTION-B (each carry 2 mark)**

**SHORT ANSWER TYPE – I**

- 11.Calculate the simple interest on Rs.15,000 at  $3\frac{1}{2}$  % per annum for 3 years.
- 12.Seema has deposited Rs.5,000 in a bank at 6%interest per annum .She withdrew the money after 2 years 2 months .How much amount will she get back ?
- 13.Find the amount if P=Rs.600 ,R=8% per annum and T= 6 months.
- 14.If amount is Rs.7000 and Principal is Rs.6,500 ,find the S.I.
- 15.Mr.Sunil deposited Rs1000 in a bank at  $4\frac{1}{2}$ % rate of interest per annum,Calculate the simple interest he will get after  $2\frac{1}{2}$  years.

**SECTION-C(each carry 3 mark)**

**SHORT ANSWER TYPE – II**

- 16.Simple interest on a certain sum of money is  $\frac{2}{3}$  of its principal.If principal is Rs.9,000,find S.I and Amount.
- 17.A certain sum of money triples itself in 10 years .If interest got is Rs.5,000, find the principal .
- 18.Mohan and Sohan borrowed Rs.5000 each from two different banks at 6% and 7% interest per annum respectively for 2 years .Find the interest each will pay after 2 years.
- 19.Two friends opened a joint account and deposited Rs.50,000 at 8% interest per annum .After 5 years they divided only the interest equally among them .Find how much money each will get.

**SECTION-D (each carry 4 mark)**

**LONG ANSWER TYPE**

20. A man borrowed Rs.2,500 at 10% interest per annum. After  $2\frac{1}{2}$  years, he withdraws the amount and purchased a cycle for Rs.2,800. How much money is left with him now ?

**SIMPLE INTEREST**

**WORK SHEET(HOTS)**

1. Find the sum of money that amounts to Rs.996 in 4 years at 5% interest per annum.
2. What sum of money will earn an interest of Rs.300 in 3 years at the rate of 12% interest per annum ?
3. At what rate percent per annum will a sum of money double itself in 6 years ?
4. Find the simple interest on Rs.5,000 from 22<sup>nd</sup> march 2019 to 20<sup>th</sup> July 2019 at 10% interest per annum .
5. In what time will a sum of money double itself at 5% interest per annum.
6. Sonu lend Rs.3,000 to Monu at 10% interest per annum and Monu lends the same sum to Rahul at 12% interest per annum . Find Monu's gain over a period of 3 years.
7. A man took a loan from a bank at 12% interest per annum . After 3 years he paid Rs.5,400 as simple interest . Find the principal amount borrowed by him.
8. If a sum of money doubles itself after 8 years then find the rate of interest.
9. A person borrows Rs.5000 for 2 years at 4% interest per annum . He lends it to another person at  $6\frac{1}{4}$ % per annum for 2 years. Find his gain in the transaction per year .
10. Ritu deposited Rs.2,000 in a bank for 16 months at  $8\frac{1}{2}$ % interest per annum . What amount will she get back after 16 months.

