Cosmo School Class – 5 Chapter – 9 Percentage Lecture sheet – 4 Solution

1) a) Given,

Rate of interest = 20%Interest = 2000 tk Time = 1 years

We know,

Principal =  $\frac{Interest \times 100}{Rate of Interest \times Time}$  $= \frac{2000 \times 100}{20 \times 1} \text{ tk}$ = 10000 tkAns: 10000 tk

b) The principal and interest in total = (10000+2000) tk = 12000 tk Ans: 12000 tk

c) Given,

Rate of interest = 15%Time = 1 year From 'a' we get, Principal = 10000 tk We know,

Interest =  $\frac{Principal \times Rate of Interest \times Time}{100}$  $= \frac{10000 \times 15 \times 1}{100}$ = 1500 tk

Ans: 1500 tk

2. *a*) Annual Interest =  $\frac{Principal \times Rate of Interest \times Time}{100}$ 

**b**) Given,

Principal = 4500 tk

Rate of interest = 8 %

Time = 8 years

We know,

Interest =  $\frac{Principal \times Rate of Interest \times Time}{100}$  $= \frac{4500 \times 8 \times 8}{100} \text{ tk}$ = 2880 tk

Ans: 2880 tk

*c*) Given,

Principal = 4500 tk

From 'b' we get,

He would pay back as interest after 8 years = 2880 tk He would pay back in total after 8 years = (4500+2880) tk

 $= 7380 \, tk$ 

Ans: 7380 tk