```
P = (I * 100) / [(R1*T1)+(R2*T2)+
       (R3*(T3-T2-T1)]
```

Ex: On a sum of money the rate of interest is 5% Per Annum for the first 3 years, 6% Per Annum for the next 4 years, and 8% Per Annum for the next years beyond the first 7 Years. If the interest obtained in 12 Years is Rs. 3.950. Find the Sum?

```
Sol: 5% X 3 + 6% X 4 + 8% X 5 = 15% + 24% + 40% = 79%
  => (79/100) P = 3950
   P = (39500/79) = 5000
```

```
Trick-3: If sum becomes S1 in T years and S2 in T+1 years.then, Rate of interest is

R = [(S2 - S1)*100]/[S1-(S2-S1)*T]

Here, I = S2-S1, P = S1-(S2-S1)

Ex: if sum becomes 1200 in 2 years and 1400 in 3 years so, the Rate of interest is?

a. 10 b. 5 c. d. 12.5
Sol: = [(1400 1200)*100]/(1000*2)
               R = 10\%
```

Trick-4: If R1 is fallen to R2.then, income dimensed by D.then,principal becomes

```
= (D * 100)/(R1 - R2)
```

Ex : if Rate of interest fallen from 7% to 5%. Due to fall of R,income dimensed by 50.the principal is? a. 2500 b. 5000 c. 1000 d. 4000 Sol: = (50*100)/(7-5) = 2500

Trick-5: If sum becomes S1 in T1 years and S2 in T2 years.then, Rate of interest is

=[(S2-S1)*100]/[[(T2-T1)*S1-T1*(S2-S1)]*T1]

Trick-6: P is given in two parts and interest is same.part-I is given for R1 for T1 years, part-II is given for R2 for T2 years, the

```
part-I amount is
= (P*T2*R2)/[(T1*R1)+(T2*R2)]
```

Ex: 10000 is given in two parts and interest is same.part-I is given for 2% Rate of interest for 7 years and part-II is given for 7% Rate of interest for 3 years.then,part-I principal is ?