



1. The population of a city is 40000. If the rate of increase in population is 6.00% per annum, what is the population after 5 year(s)?
(i) 53509 (ii) 53539 (iii) 53529 (iv) 53519 (v) 53549
2. The population of a city is 40000. If the rate of decrease in population is 2.00% per annum, what is the population after 2 year(s)?
(i) 38396 (ii) 38436 (iii) 38416 (iv) 38426 (v) 38406
3. The present value of a machine is ₹8000.00. Suppose it depreciates at the rate of 10.00% per annum, what is the value of the machine after 1 year(s)?
(i) ₹7199.00 (ii) ₹7202.00 (iii) ₹7198.00 (iv) ₹7201.00 (v) ₹7200.00
4. The present value of a machine is ₹3000.00. Suppose it depreciates at the rate of 9.00% per annum, what was the value of the machine 2 year(s) ago?
(i) ₹3620.75 (ii) ₹3623.75 (iii) ₹3624.75 (iv) ₹3621.75 (v) ₹3622.75
5. The population of a city is 70000. If the rate of increase in population is 6.00% per annum, what is the population after 2 year(s)?
(i) 78642 (ii) 78632 (iii) 78652 (iv) 78672 (v) 78662
6. The population of a city is 90000. If the rate of decrease in population is 5.00% per annum, what is the population after 2 year(s)?
(i) 81205 (ii) 81245 (iii) 81225 (iv) 81215 (v) 81235
7. The present value of a machine is ₹12000.00. Suppose it depreciates at the rate of 16.00% per annum, what is the value of the machine after 5 year(s)?
(i) ₹5018.54 (ii) ₹5017.54 (iii) ₹5020.54 (iv) ₹5016.54 (v) ₹5019.54
8. The present value of a machine is ₹13000.00. Suppose it depreciates at the rate of 16.00% per annum, what was the value of the machine 5 year(s) ago?
(i) ₹31083.72 (ii) ₹31082.72 (iii) ₹31086.72 (iv) ₹31085.72 (v) ₹31084.72
9. Let the present value of a machine be P. If it depreciates at the rate of r% per annum, the value of the machine after n years is
(i) $P[1-\frac{100}{r}]^n$ (ii) $P[1-\frac{r}{100}]^n$ (iii) $\frac{P}{[1-\frac{100}{r}]^n}$ (iv) $\frac{P}{[1-\frac{r}{100}]^n}$
10. Let the present value of a machine be P. If it depreciates at the rate of r% per annum, the value of the machine n years ago is
(i) $\frac{P}{[1-\frac{100}{r}]^n}$ (ii) $P[1-\frac{r}{100}]^n$ (iii) $P[1-\frac{100}{r}]^n$ (iv) $\frac{P}{[1-\frac{r}{100}]^n}$

Assignment Key

1) (iii)

2) (iii)

3) (v)

4) (v)

5) (iii)

6) (iii)

7) (i)

8) (v)

9) (ii)

10) (iv)