EduSahara™ Assignment

Name : Compound Interest Computed Half-yearly

Chapter : Comparing Quantities using Proportion

Grade : SSC Grade VIII

1. If principal is ₹10000.00, ROI is 3.00% p.a., no of year(s) is 3 and interest type is simple interest computed half yearly, then interest is

   (i) ₹900.00 (ii) ₹902.00 (iii) ₹901.00 (iv) ₹898.00 (v) ₹899.00

2. If principal is ₹5000.00, ROI is 8.00% p.a., no of year(s) is 3 and interest type is simple interest computed half yearly, then amount is

   (i) ₹6200.00 (ii) ₹6198.00 (iii) ₹6201.00 (iv) ₹6199.00 (v) ₹6202.00

3. If principal is ₹13000.00, ROI is 8.00% p.a., no of year(s) is 5 and interest type is compound interest computed half yearly, then interest is

   (i) ₹6243.18 (ii) ₹6241.18 (iii) ₹6245.18 (iv) ₹6242.18 (v) ₹6244.18

4. If principal is ₹5000.00, ROI is 10.00% p.a., no of year(s) is 3 and interest type is compound interest computed half yearly, then amount is

   (i) ₹6701.48 (ii) ₹6700.48 (iii) ₹6702.48 (iv) ₹6698.48 (v) ₹6699.48

5. If the simple interest on a certain principal is ₹3150.00 for 3 year(s) at ROI 7.00% p.a. computed half yearly, then the compound interest for the same principal, terms and ROI =

   (i) ₹3440.83 (ii) ₹3438.83 (iii) ₹3436.83 (iv) ₹3439.83 (v) ₹3437.83

6. Calculate the amount on ₹7000.00 for 2 years 3 months
   at 7.00% p.a. compounded half yearly

   (i) ₹8173.23 (ii) ₹8174.23 (iii) ₹8175.23 (iv) ₹8172.23 (v) ₹8171.23

7. Calculate the amount on ₹14000.00 for $5\frac{2}{3}$ years

   at 6.00% p.a. compounded half yearly

   (i) ₹19573.07 (ii) ₹19572.07 (iii) ₹19574.07 (iv) ₹19571.07 (v) ₹19575.07

8. If P = Principal, n = no of terms, R = rate of interest, formula for amount at compound interest is

   (i) $P[1+\frac{100}{P}]^{n}$ (ii) $P[1+\frac{R}{100}]^{n}$ (iii) $P[1+\frac{PR}{100}]^{n}$ (iv) $P[1-\frac{R}{100}]^{n}$ (v) $P[1+\frac{100}{PR}]^{n}$

9. If ROI is 8.00% p.a., no of year(s) is 2 and accumulated compound interest is ₹2887.60 computed half yearly, then principal is

   (i) ₹16998.00 (ii) ₹17002.00 (iii) ₹17001.00 (iv) ₹16999.00 (v) ₹17000.00

10. If ROI is 2.00% p.a., no of year(s) is 2 and accumulated compound interest is ₹406.04 computed half yearly, then amount is

    (i) ₹10406.04 (ii) ₹10407.04 (iii) ₹10404.04 (iv) ₹10408.04 (v) ₹10405.04

11. If principal is ₹18000.00, no of year(s) is 2 and accumulated compound interest computed half yearly is ₹1868.63, then ROI per annum is

    (i) 3.00% (ii) 7.00% (iii) 5.00% (iv) 6.00% (v) 4.00%

12. If principal is ₹9000.00, no of year(s) is 4 and accumulated compound interest computed half yearly is ₹2851.28, then amount is

(i) ₹11851.28 (ii) ₹11850.28 (iii) ₹11849.28 (iv) ₹11852.28 (v) ₹11853.28

13. If the difference of compound and simple interest on a certain principal is ₹67.79 for ROI 4.00% p.a. and no of year(s) 3 computed half yearly, then the principal =

(i) ₹11002.00 (ii) ₹10999.00 (iii) ₹10998.00 (iv) ₹11000.00 (v) ₹11001.00

Assignment Key

1) (i)	2) (i)	3) (i)	4) (ii)	5) (ii)	6) (i)
7) (i)	8) (ii)	9) (v)	10) (i)	11) (iii)	12) (i)
13) (iv)					