EduSahara™ Assignment

Name : Compound Interest Computed Half-yearly

Chapter : Comparing Quantities using Proportion

Grade : SSC Grade VIII

1. If principal is ₹12000.00, ROI is 2.00% p.a., no of year(s) is 2 and interest type is simple interest computed half yearly, then interest is

   (i) ₹481.00 (ii) ₹482.00 (iii) ₹478.00 (iv) ₹480.00 (v) ₹479.00

2. If principal is ₹7000.00, ROI is 2.00% p.a., no of year(s) is 3 and interest type is simple interest computed half yearly, then amount is

   (i) ₹7419.00 (ii) ₹7418.00 (iii) ₹7420.00 (iv) ₹7421.00 (v) ₹7422.00

3. If principal is ₹7000.00, ROI is 4.00% p.a., no of year(s) is 5 and interest type is compound interest computed half yearly, then interest is

   (i) ₹1534.96 (ii) ₹1532.96 (iii) ₹1530.96 (iv) ₹1533.96 (v) ₹1531.96

4. If principal is ₹8000.00, ROI is 6.00% p.a., no of year(s) is 2 and interest type is compound interest computed half yearly, then amount is

   (i) ₹9005.07 (ii) ₹9003.07 (iii) ₹9006.07 (iv) ₹9002.07 (v) ₹9004.07

5. If the simple interest on a certain principal is ₹3300.00 for 5 year(s) at ROI 6.00% p.a. computed half yearly, then the compound interest for the same principal, terms and ROI =

   (i) ₹3783.08 (ii) ₹3781.08 (iii) ₹3784.08 (iv) ₹3782.08 (v) ₹3785.08

6. Calculate the amount on ₹7000.00 for 5 years 10 months
   at 2.00% p.a. compounded half yearly

   (i) ₹7861.74 (ii) ₹7862.74 (iii) ₹7860.74 (iv) ₹7859.74 (v) ₹7863.74

7. Calculate the amount on ₹14000.00 for $3\frac{5}{6}$ years
   at 7.00% p.a. compounded half yearly

   (i) ₹18228.52 (ii) ₹18225.52 (iii) ₹18226.52 (iv) ₹18229.52 (v) ₹18227.52

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

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

9. If ROI is 6.00% p.a., no of year(s) is 5 and accumulated compound interest is ₹1719.58 computed half yearly, then principal is

   (i) ₹4998.00 (ii) ₹5000.00 (iii) ₹5001.00 (iv) ₹5002.00 (v) ₹4999.00

10. If ROI is 6.00% p.a., no of year(s) is 4 and accumulated compound interest is ₹1600.62 computed half yearly, then amount is

    (i) ₹7601.62 (ii) ₹7600.62 (iii) ₹7602.62 (iv) ₹7599.62 (v) ₹7598.62

11. If principal is ₹6000.00, no of year(s) is 3 and accumulated compound interest computed half yearly is ₹560.66, then ROI per annum is

    (i) 4.00% (ii) 2.00% (iii) 1.00% (iv) 3.00% (v) 5.00%

12. If principal is ₹17000.00, no of year(s) is 2 and accumulated compound interest computed half yearly is ₹1764.82, then amount is

(i) ₹18765.82 (ii) ₹18766.82 (iii) ₹18764.82 (iv) ₹18762.82 (v) ₹18763.82

13. If the difference of compound and simple interest on a certain principal is ₹112.42 for ROI 6.00% p.a. and no of year(s) 3 computed half yearly, then the principal =

(i) ₹8001.00 (ii) ₹7998.00 (iii) ₹7999.00 (iv) ₹8002.00 (v) ₹8000.00

Assignment Key

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