EduSahara™ Assignment

Name : Compound Interest Computed Half-yearly

Chapter : Comparing Quantities using Proportion

Grade : SSC Grade VIII

1. If principal is ₹5000.00, ROI is 7.00% p.a., no of year(s) is 5 and interest type is simple interest computed half yearly, then interest is

   (i) ₹1748.00 (ii) ₹1751.00 (iii) ₹1749.00 (iv) ₹1752.00 (v) ₹1750.00

2. If principal is ₹13000.00, ROI is 3.00% p.a., no of year(s) is 3 and interest type is simple interest computed half yearly, then amount is

   (i) ₹14171.00 (ii) ₹14170.00 (iii) ₹14169.00 (iv) ₹14172.00 (v) ₹14168.00

3. If principal is ₹20000.00, ROI is 10.00% p.a., no of year(s) is 4 and interest type is compound interest computed half yearly, then interest is

   (i) ₹9551.11 (ii) ₹9547.11 (iii) ₹9549.11 (iv) ₹9548.11 (v) ₹9550.11

4. If principal is ₹13000.00, ROI is 3.00% p.a., no of year(s) is 5 and interest type is compound interest computed half yearly, then amount is

   (i) ₹15086.03 (ii) ₹15089.03 (iii) ₹15085.03 (iv) ₹15087.03 (v) ₹15088.03

5. If the simple interest on a certain principal is ₹2000.00 for 2 year(s) at ROI 10.00% p.a. computed half yearly, then the compound interest for the same principal, terms and ROI =

   (i) ₹2153.06 (ii) ₹2154.06 (iii) ₹2155.06 (iv) ₹2156.06 (v) ₹2157.06

6. Calculate the amount on ₹14000.00 for 4 years 8 months at 4.00% p.a. compounded half yearly

   (i) ₹16841.84 (ii) ₹16840.84 (iii) ₹16843.84 (iv) ₹16844.84 (v) ₹16842.84

7. Calculate the amount on ₹12000.00 for $2\frac{11}{12}$ years at 8.00% p.a. compounded half yearly

   (i) ₹15086.50 (ii) ₹15087.50 (iii) ₹15085.50 (iv) ₹15088.50 (v) ₹15084.50

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

9. If ROI is 4.00% p.a., no of year(s) is 3 and accumulated compound interest is ₹1135.46 computed half yearly, then principal is

   (i) ₹9000.00 (ii) ₹9001.00 (iii) ₹8999.00 (iv) ₹8998.00 (v) ₹9002.00

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

    (i) ₹6720.58 (ii) ₹6717.58 (iii) ₹6718.58 (iv) ₹6719.58 (v) ₹6721.58

11. If principal is ₹13000.00, no of year(s) is 5 and accumulated compound interest computed half yearly is ₹8175.63, then ROI per annum is

    (i) 9.00% (ii) 8.00% (iii) 10.00% (iv) 12.00% (v) 11.00%

12. If principal is ₹7000.00, no of year(s) is 4 and accumulated compound interest computed half yearly is ₹2954.70, then amount is

(i) ₹9956.70 (ii) ₹9953.70 (iii) ₹9955.70 (iv) ₹9952.70 (v) ₹9954.70

13. If the difference of compound and simple interest on a certain principal is ₹545.39 for ROI 7.00% p.a. and no of year(s) 5 computed half yearly, then the principal =

(i) ₹8999.00 (ii) ₹9002.00 (iii) ₹9000.00 (iv) ₹9001.00 (v) ₹8998.00

Assignment Key

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