EduSahara™ Assignment

Name : Compound Interest Computed Half-yearly

Chapter : Comparing Quantities using Proportion

Grade : SSC Grade VIII

1. If principal is ₹7000.00, ROI is 3.00% p.a., no of year(s) is 4 and interest type is simple interest computed half yearly, then interest is

   (i) ₹840.00 (ii) ₹838.00 (iii) ₹839.00 (iv) ₹842.00 (v) ₹841.00

2. If principal is ₹9000.00, ROI is 2.00% p.a., no of year(s) is 4 and interest type is simple interest computed half yearly, then amount is

   (i) ₹9722.00 (ii) ₹9721.00 (iii) ₹9719.00 (iv) ₹9720.00 (v) ₹9718.00

3. If principal is ₹14000.00, ROI is 2.00% p.a., no of year(s) is 2 and interest type is compound interest computed half yearly, then interest is

   (i) ₹569.46 (ii) ₹568.46 (iii) ₹566.46 (iv) ₹567.46 (v) ₹570.46

4. If principal is ₹19000.00, ROI is 10.00% p.a., no of year(s) is 5 and interest type is compound interest computed half yearly, then amount is

   (i) ₹30948.00 (ii) ₹30951.00 (iii) ₹30949.00 (iv) ₹30947.00 (v) ₹30950.00

5. If the simple interest on a certain principal is ₹2500.00 for 5 year(s) at ROI 5.00% p.a. computed half yearly, then the compound interest for the same principal, terms and ROI =

   (i) ₹2801.85 (ii) ₹2798.85 (iii) ₹2799.85 (iv) ₹2800.85 (v) ₹2802.85

6. Calculate the amount on ₹9000.00 for 5 years 10 months
   at 5.00% p.a. compounded half yearly

   (i) ₹12005.59 (ii) ₹12003.59 (iii) ₹12006.59 (iv) ₹12007.59 (v) ₹12004.59

7. Calculate the amount on ₹12000.00 for $4\frac{5}{12}$ years
   at 3.00% p.a. compounded half yearly

   (i) ₹13688.88 (ii) ₹13687.88 (iii) ₹13685.88 (iv) ₹13684.88 (v) ₹13686.88

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

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

9. If ROI is 10.00% p.a., no of year(s) is 2 and accumulated compound interest is ₹4310.13 computed half yearly, then principal is

   (i) ₹20000.00 (ii) ₹19998.00 (iii) ₹19999.00 (iv) ₹20002.00 (v) ₹20001.00

10. If ROI is 7.00% p.a., no of year(s) is 2 and accumulated compound interest is ₹1180.18 computed half yearly, then amount is

    (i) ₹9182.18 (ii) ₹9179.18 (iii) ₹9178.18 (iv) ₹9181.18 (v) ₹9180.18

11. If principal is ₹6000.00, no of year(s) is 2 and accumulated compound interest computed half yearly is ₹368.18, then ROI per annum is

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

12. If principal is ₹16000.00, no of year(s) is 2 and accumulated compound interest computed half yearly is ₹2360.37, then amount is

(i) ₹18360.37 (ii) ₹18361.37 (iii) ₹18358.37 (iv) ₹18359.37 (v) ₹18362.37

13. If the difference of compound and simple interest on a certain principal is ₹170.95 for ROI 4.00% p.a. and no of year(s) 5 computed half yearly, then the principal =

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

Assignment Key

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