EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Compound Interest

Grade : ICSE Grade X

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1. If the compound interest amount for a certain principal is ₹7313.97 for 5 year(s) at an ROI of 4.00% p.a. computed half yearly, then interest is

(i) ₹1315.97 (ii) ₹1312.97 (iii) ₹1313.97 (iv) ₹1314.97 (v) ₹1311.97

2. If principal is ₹10000.00, no of year(s) is 5 and accumulated compound interest computed quarterly is ₹2201.90, then amount is

(i) ₹12201.90 (ii) ₹12199.90 (iii) ₹12203.90 (iv) ₹12200.90 (v) ₹12202.90

3. If principal is ₹18000.00, no of year(s) is 4 and accumulated compound interest computed half yearly is ₹7597.81, then ROI per annum is

(i) 10.00% (ii) 7.00% (iii) 11.00% (iv) 9.00% (v) 8.00%

4. If the compound interest on a certain principal is ₹2463.30 for 2 year(s) at ROI 7.00% p.a. computed annually, then the simple interest for the same principal, terms and ROI =

(i) ₹2381.00 (ii) ₹2378.00 (iii) ₹2380.00 (iv) ₹2379.00 (v) ₹2382.00

5. If the compound interest amount for a certain principal is ₹5798.47 for 3 year(s) at an ROI of 5.00% p.a. computed half yearly, then principal is

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

6. The present value of a machine is ₹3000.00. Suppose it depreciates at the rate of 4.00% per annum, what was the value of the machine 5 year(s) ago?

(i) ₹3681.30 (ii) ₹3677.30 (iii) ₹3679.30 (iv) ₹3680.30 (v) ₹3678.30

7. If the compound interest on a certain principal is ₹3870.79 for 5 year(s) at ROI 9.00% p.a. computed half yearly, then the simple interest for the same principal, terms and ROI =

(i) ₹3149.00 (ii) ₹3148.00 (iii) ₹3152.00 (iv) ₹3150.00 (v) ₹3151.00

8. The present value of a machine is ₹4000.00. Suppose it depreciates at the rate of 10.00% per annum, what is the value of the machine after 1 year(s)?

(i) ₹3600.00 (ii) ₹3602.00 (iii) ₹3599.00 (iv) ₹3601.00 (v) ₹3598.00

9. If the difference of compound and simple interest on a certain principal is ₹225.93 for ROI 8.00% p.a. and no of year(s) 3 computed quarterly, then the principal =

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

10. If principal is ₹13000.00, ROI is 10.00% p.a., no of year(s) is 4 and interest type is compound interest computed annually, then amount is

(i) ₹19035.30 (ii) ₹19034.30 (iii) ₹19033.30 (iv) ₹19031.30 (v) ₹19032.30

11. If the compound interest amount for a certain principal is ₹20170.38 for 2 year(s) at an ROI of 3.00% p.a. computed quarterly, then interest is

(i) ₹1168.38 (ii) ₹1172.38 (iii) ₹1169.38 (iv) ₹1171.38 (v) ₹1170.38

12. The population of a city is 80000. If the rate of increase in population is 8.00% per annum, what is the population after 3 year(s)?

(i) 100797 (ii) 100757 (iii) 100777 (iv) 100767 (v) 100787

13. If ROI is 9.00% p.a., no of year(s) is 3 and accumulated compound interest is ₹5310.52 computed annually, then principal is

(i) ₹17998.00 (ii) ₹18002.00 (iii) ₹17999.00 (iv) ₹18000.00 (v) ₹18001.00

14. If the compound interest on a certain principal is ₹1171.88 for 3 year(s) at ROI 2.00% p.a. computed quarterly, then the simple interest for the same principal, terms and ROI =

(i) ₹1139.00 (ii) ₹1140.00 (iii) ₹1141.00 (iv) ₹1142.00 (v) ₹1138.00

15. If ROI is 8.00% p.a., no of year(s) is 4 and accumulated compound interest is ₹4473.43 computed quarterly, then amount is

(i) ₹16471.43 (ii) ₹16473.43 (iii) ₹16474.43 (iv) ₹16475.43 (v) ₹16472.43

16. If principal is ₹17000.00, ROI is 6.00% p.a. and accumulated compound interest computed half yearly is ₹4535.09, then no of years is

(i) 5 (ii) 3 (iii) 2 (iv) 4 (v) 6

17. If the compound interest on a certain principal is ₹2138.11 for 4 year(s) at ROI 9.00% p.a. computed quarterly, then what is the compound interest for the same principal and ROI for 3 year(s)?

(i) ₹1532.25 (ii) ₹1530.25 (iii) ₹1528.25 (iv) ₹1531.25 (v) ₹1529.25

18. If principal is ₹10000.00 and compound interest amount is ₹13060.50 for 3 year(s) computed quarterly, then interest is

(i) ₹3058.50 (ii) ₹3062.50 (iii) ₹3060.50 (iv) ₹3059.50 (v) ₹3061.50

19. If the compound interest on a certain principal is ₹613.64 for 2 year(s) at ROI 3.00% p.a. computed half yearly, then what is the compound interest for the same principal at 10.00% p.a. ROI and duration 4 year(s)?

(i) ₹4776.55 (ii) ₹4774.55 (iii) ₹4775.55 (iv) ₹4772.55 (v) ₹4773.55

20. If principal is ₹7000.00 and compound interest amount is ₹8337.11 for 3 year(s) computed annually, then ROI per annum is

(i) 6.00% (ii) 5.00% (iii) 8.00% (iv) 4.00% (v) 7.00%

21. Calculate the amount on ₹13000.00 for 2 years 5 months
at 5.00% p.a. compounded half yearly

(i) ₹14647.52 (ii) ₹14650.52 (iii) ₹14648.52 (iv) ₹14646.52 (v) ₹14649.52

22. If principal is ₹19000.00, no of year(s) is 2 and accumulated compound interest computed half yearly is ₹4094.62, then amount is

(i) ₹23095.62 (ii) ₹23094.62 (iii) ₹23092.62 (iv) ₹23096.62 (v) ₹23093.62

23. If the compound interest amount for a certain principal is ₹7864.78 for 4 year(s) at an ROI of 7.00% p.a. computed annually, then interest is

(i) ₹1866.78 (ii) ₹1864.78 (iii) ₹1862.78 (iv) ₹1863.78 (v) ₹1865.78

24. If ROI is 5.00% p.a., no of year(s) is 4 and accumulated compound interest is ₹2155.06 computed annually, then amount is

(i) ₹12155.06 (ii) ₹12156.06 (iii) ₹12157.06 (iv) ₹12153.06 (v) ₹12154.06

25. If principal is ₹20000.00, ROI is 7.00% p.a., no of year(s) is 2 computed half yearly, then the difference of compound and simple interest =

(i) ₹150.46 (ii) ₹151.46 (iii) ₹149.46 (iv) ₹152.46 (v) ₹148.46

Assignment Key

1) (iii)	2) (i)	3) (iv)	4) (iii)	5) (v)	6) (iii)
7) (iv)	8) (i)	9) (ii)	10) (iii)	11) (v)	12) (iii)
13) (iv)	14) (ii)	15) (ii)	16) (iv)	17) (ii)	18) (iii)
19) (ii)	20) (i)	21) (iii)	22) (ii)	23) (ii)	24) (i)
25) (i)					

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