EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Compound Interest

Grade : ICSE Grade IX

1. If principal is ₹12000.00, no of year(s) is 3 and accumulated compound interest computed annually is ₹1498.37, then ROI per annum is

   (i) 5.00% (ii) 6.00% (iii) 2.00% (iv) 4.00% (v) 3.00%

2. If ROI is 9.00% p.a., no of year(s) is 4 and accumulated compound interest is ₹7820.05 computed annually, then principal is

   (i) ₹18999.00 (ii) ₹19001.00 (iii) ₹18998.00 (iv) ₹19002.00 (v) ₹19000.00

3. Calculate the amount on ₹14000.00 for 5 years 7 months at 2.00% p.a. compounded annually

   (i) ₹15638.46 (ii) ₹15635.46 (iii) ₹15636.46 (iv) ₹15639.46 (v) ₹15637.46

4. If the compound interest amount for a certain principal is ₹20825.73 for 3 year(s) at an ROI of 7.00% p.a. computed annually, then interest is

   (i) ₹3823.73 (ii) ₹3824.73 (iii) ₹3826.73 (iv) ₹3825.73 (v) ₹3827.73

5. If principal is ₹17000.00, ROI is 10.00% p.a., no of year(s) is 2 and interest type is compound interest computed half yearly, then amount is

   (i) ₹20662.61 (ii) ₹20663.61 (iii) ₹20665.61 (iv) ₹20664.61 (v) ₹20661.61

6. If principal is ₹19000.00, ROI is 10.00% p.a. and accumulated compound interest computed annually is ₹3990.00, then no of years is

   (i) 3 (ii) 5 (iii) 1 (iv) 4 (v) 2

7. If the compound interest amount for a certain principal is ₹21372.42 for 3 year(s) at an ROI of 4.00% p.a. computed annually, then principal is

   (i) ₹18998.00 (ii) ₹19001.00 (iii) ₹18999.00 (iv) ₹19002.00 (v) ₹19000.00

8. If ROI is 4.00% p.a., no of year(s) is 4 and accumulated compound interest is ₹3089.87 computed half yearly, then amount is

   (i) ₹21091.87 (ii) ₹21090.87 (iii) ₹21087.87 (iv) ₹21089.87 (v) ₹21088.87

9. If the difference of compound and simple interest on a certain principal is ₹180.00 for ROI 10.00% p.a. and no of year(s) 2 computed annually, then the principal =

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

10. If the compound interest on a certain principal is ₹2231.57 for 2 year(s) at ROI 8.00% p.a. computed quarterly, then what is the compound interest for the same principal and ROI for 3 year(s)?

    (i) ₹3486.14 (ii) ₹3488.14 (iii) ₹3487.14 (iv) ₹3485.14 (v) ₹3489.14

11. If the difference of compound and simple interest on a certain principal is ₹291.41 for ROI 8.00% p.a. and no of year(s) 4 computed half yearly, then the principal =

    (i) ₹5998.00 (ii) ₹6000.00 (iii) ₹5999.00 (iv) ₹6002.00 (v) ₹6001.00

12. A man borrows a ₹18000.00 at 2.00% p.a. compounded annually. If he repays ₹9180.00 at the end of year 1 , ₹2340.90 at the end of year 2 , how much loan is outstanding against him at the beginning of the year 3.

(i) ₹7023.70 (ii) ₹7022.70 (iii) ₹7024.70 (iv) ₹7020.70 (v) ₹7021.70

13. If principal is ₹16000.00, ROI is 6.00% p.a. and accumulated compound interest computed quarterly is ₹4303.77, then no of years is

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

14. If the compound interest amount for a certain principal is ₹17078.45 for 4 year(s) at an ROI of 5.00% p.a. computed quarterly, then interest is

(i) ₹3080.45 (ii) ₹3079.45 (iii) ₹3077.45 (iv) ₹3076.45 (v) ₹3078.45

15. If the compound interest on a certain principal is ₹760.95 for 3 year(s) at ROI 4.00% p.a. computed quarterly, then what is the compound interest for the same principal at 10.00% p.a. ROI and duration 4 year(s)?

(i) ₹2906.03 (ii) ₹2905.03 (iii) ₹2909.03 (iv) ₹2908.03 (v) ₹2907.03

16. If ROI is 4.00% p.a., no of year(s) is 3 and accumulated compound interest is ₹634.13 computed quarterly, then principal is

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

17. If principal is ₹9000.00, ROI is 4.00% p.a. and accumulated compound interest computed half yearly is ₹1135.46, then amount is

(i) ₹10133.46 (ii) ₹10136.46 (iii) ₹10137.46 (iv) ₹10135.46 (v) ₹10134.46

18. If principal is ₹15000.00, ROI is 5.00% p.a., no of year(s) is 5 computed annually, then the difference of compound and simple interest =

(i) ₹396.22 (ii) ₹395.22 (iii) ₹392.22 (iv) ₹393.22 (v) ₹394.22

19. Calculate the amount on ₹6000.00 for 5 years 10 months
at 4.00% p.a. compounded half yearly

(i) ₹7559.72 (ii) ₹7560.72 (iii) ₹7557.72 (iv) ₹7561.72 (v) ₹7558.72

20. If principal is ₹5000.00, ROI is 2.00% p.a. and accumulated compound interest computed annually is ₹412.16, then amount is

(i) ₹5413.16 (ii) ₹5410.16 (iii) ₹5412.16 (iv) ₹5411.16 (v) ₹5414.16

21. Calculate the amount on ₹15000.00 for $2\frac{2}{3}$ years

at 9.00% p.a. compounded annually

(i) ₹18891.79 (ii) ₹18890.79 (iii) ₹18892.79 (iv) ₹18889.79 (v) ₹18888.79

22. If principal is ₹18000.00 and compound interest amount is ₹26644.40 for 5 year(s) computed half yearly, then ROI per annum is

(i) 9.00% (ii) 8.00% (iii) 7.00% (iv) 6.00% (v) 10.00%

23. If principal is ₹10000.00 and compound interest amount is ₹12314.39 for 3 year(s) computed quarterly, then ROI per annum is

(i) 6.00% (ii) 7.00% (iii) 5.00% (iv) 9.00% (v) 8.00%

24. If principal is ₹16000.00, ROI is 2.00% p.a., no of year(s) is 4 computed quarterly, then the difference of compound and simple interest =

(i) ₹49.14 (ii) ₹48.14 (iii) ₹47.14 (iv) ₹50.14 (v) ₹51.14

25. If the compound interest on a certain principal is ₹2674.22 for 3 year(s) at ROI 6.00% p.a. computed annually, then what is the compound interest for the same principal and duration at 7.00% p.a. ROI?

(i) ₹3149.60 (ii) ₹3150.60 (iii) ₹3152.60 (iv) ₹3151.60 (v) ₹3148.60

Assignment Key

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