EduSahara™ Assignment

Name : Compound Interest Computed Anually

Chapter : Comparing Quantities using Proportion

Grade : SSC Grade VIII

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1. If principal is ₹12000.00, ROI is 8.00% p.a., no of year(s) is 4 and interest type is simple interest computed annually, then interest is

   (i) ₹3841.00 (ii) ₹3839.00 (iii) ₹3842.00 (iv) ₹3838.00 (v) ₹3840.00

2. If principal is ₹15000.00, ROI is 10.00% p.a., no of year(s) is 4 and interest type is simple interest computed annually, then amount is

   (i) ₹20999.00 (ii) ₹21002.00 (iii) ₹20998.00 (iv) ₹21001.00 (v) ₹21000.00

3. If principal is ₹5000.00, ROI is 3.00% p.a., no of year(s) is 3 and interest type is compound interest computed annually, then interest is

   (i) ₹463.63 (ii) ₹461.63 (iii) ₹465.63 (iv) ₹464.63 (v) ₹462.63

4. If principal is ₹13000.00, ROI is 2.00% p.a., no of year(s) is 5 and interest type is compound interest computed annually, then amount is

   (i) ₹14352.05 (ii) ₹14351.05 (iii) ₹14355.05 (iv) ₹14353.05 (v) ₹14354.05

5. If principal is ₹19000.00, no of year(s) is 2 and accumulated simple interest computed annually is ₹3800.00, then ROI per annum is

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

6. If principal is ₹10000.00, no of year(s) is 5 and accumulated compound interest computed annually is ₹5386.24, then ROI per annum is

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

7. If the simple interest on a certain principal is ₹3840.00 for 3 year(s) at ROI 8.00% p.a. computed annually, then the compound interest for the same principal, terms and ROI =

   (i) ₹4154.39 (ii) ₹4155.39 (iii) ₹4157.39 (iv) ₹4153.39 (v) ₹4156.39

8. Calculate the amount on ₹19000.00 for 3 years 3 months
   at 9.00% p.a. compounded annually

   (i) ₹25157.18 (ii) ₹25161.18 (iii) ₹25160.18 (iv) ₹25159.18 (v) ₹25158.18

9. Calculate the amount on ₹15000.00 for $2\frac{1}{4}$ years
   at 3.00% p.a. compounded annually

   (i) ₹16031.85 (ii) ₹16033.85 (iii) ₹16030.85 (iv) ₹16032.85 (v) ₹16034.85

10. Find simple interest, if P = principal, T = time, R = rate percent per annum

    (i) $\frac{PT}{100 + R}$ (ii) $\frac{P + T + R}{100}$ (iii) $\frac{PTR}{100}$ (iv) $\frac{100}{PTR}$

11. Given SI = simple interest, P = principal, T = time, R = rate percent per annum, find simple interest

(i) $\frac{100 \times SI}{P \times R}$ (ii) $\frac{100 \times SI}{P \times T}$ (iii) $\frac{PTR}{100}$ (iv) $\frac{100 \times SI}{R \times T}$

12. Given SI = simple interest, P = principal, T = time, R = rate percent per annum, find principal

(i) $\frac{PTR}{100}$ (ii) $\frac{100 \times SI}{R \times T}$ (iii) $\frac{100 \times SI}{P \times T}$ (iv) $\frac{100 \times SI}{P \times R}$

13. Given SI = simple interest, P = principal, T = time, R = rate percent per annum, find rate

(i) $\frac{100 \times SI}{P \times R}$ (ii) $\frac{PTR}{100}$ (iii) $\frac{100 \times SI}{R \times T}$ (iv) $\frac{100 \times SI}{P \times T}$

14. Given SI = simple interest, P = principal, T = time, R = rate percent per annum, find terms

(i) $\frac{100 \times SI}{P \times R}$ (ii) $\frac{100 \times SI}{P \times T}$ (iii) $\frac{100 \times SI}{R \times T}$ (iv) $\frac{PTR}{100}$

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

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

16. If ROI is 9.00% p.a., no of year(s) is 4 and accumulated simple interest is ₹5040.00 computed annually, then principal is

(i) ₹13999.00 (ii) ₹14002.00 (iii) ₹14001.00 (iv) ₹14000.00 (v) ₹13998.00

17. If ROI is 7.00% p.a., no of year(s) is 3 and accumulated simple interest is ₹3990.00 computed annually, then amount is

(i) ₹22991.00 (ii) ₹22990.00 (iii) ₹22988.00 (iv) ₹22989.00 (v) ₹22992.00

18. If ROI is 9.00% p.a., no of year(s) is 3 and accumulated compound interest is ₹4425.44 computed annually, then principal is

(i) ₹14999.00 (ii) ₹14998.00 (iii) ₹15000.00 (iv) ₹15002.00 (v) ₹15001.00

19. If ROI is 10.00% p.a., no of year(s) is 3 and accumulated compound interest is ₹3310.00 computed annually, then amount is

(i) ₹13310.00 (ii) ₹13308.00 (iii) ₹13311.00 (iv) ₹13309.00 (v) ₹13312.00

20. If principal is ₹17000.00, no of year(s) is 2 and accumulated compound interest computed annually is ₹1387.20, then amount is

(i) ₹18388.20 (ii) ₹18385.20 (iii) ₹18386.20 (iv) ₹18389.20 (v) ₹18387.20

21. If the compound interest amount for a certain principal is ₹9734.40 for 2 year(s) at an ROI of 4.00% p.a. computed annually, then principal is

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

22. If the compound interest amount for a certain principal is ₹9922.50 for 2 year(s) at an ROI of 5.00% p.a. computed annually, then interest is

(i) ₹922.50 (ii) ₹920.50 (iii) ₹923.50 (iv) ₹921.50 (v) ₹924.50

23. If the difference of compound and simple interest on a certain principal is ₹404.89 for ROI 8.00% p.a. and no of year(s) 4 computed annually, then the principal =

(i) ₹10001.00 (ii) ₹10000.00 (iii) ₹10002.00 (iv) ₹9998.00 (v) ₹9999.00

24. A man borrows a ₹5000.00 at 3.00% p.a. compounded annually. If he repays ₹2575.00 at the end of year 1 , ₹1326.12 at the end of year 2 , how much loan is outstanding against him at the beginning of the year 3.

(i) ₹1327.12 (ii) ₹1325.12 (iii) ₹1326.12 (iv) ₹1324.12 (v) ₹1328.12

Assignment Key

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