EduSahara™ Learning Center Assignment

Grade : Class IX, ICSE
Chapter : Compound Interest
Name : Compound Interest Computed Anually

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1. If principal is ₹8000.00, ROI is 10.00% p.a., no of year(s) is 3 and interest type is compound interest computed annually, then interest is

   (i) ₹2646.00 (ii) ₹2647.00 (iii) ₹2650.00

   (iv) ₹2649.00 (v) ₹2648.00

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2. If principal is ₹6000.00, ROI is 2.00% p.a., no of year(s) is 4 and interest type is compound interest computed annually, then amount is

   (i) ₹6495.59 (ii) ₹6492.59 (iii) ₹6494.59

   (iv) ₹6493.59 (v) ₹6496.59

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3. If ROI is 4.00% p.a., no of year(s) is 3 and accumulated compound interest is ₹1997.82 computed annually, then principal is

   (i) ₹15999.00 (ii) ₹15998.00 (iii) ₹16001.00

   (iv) ₹16000.00 (v) ₹16002.00

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4. If ROI is 9.00% p.a., no of year(s) is 4 and accumulated compound interest is ₹7408.47 computed annually, then amount is

   (i) ₹25410.47 (ii) ₹25408.47 (iii) ₹25406.47

   (iv) ₹25409.47 (v) ₹25407.47

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5. If principal is ₹19000.00, no of year(s) is 2 and accumulated compound interest computed annually is ₹1947.50, then ROI per annum is

   (i) 4.00% (ii) 7.00% (iii) 5.00% (iv) 3.00% (v) 6.00%

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6. If principal is ₹11000.00, no of year(s) is 5 and accumulated compound interest computed annually is ₹1144.89, then amount is

   (i) ₹12145.89 (ii) ₹12144.89 (iii) ₹12143.89

   (iv) ₹12142.89 (v) ₹12146.89

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7. If principal is ₹6000.00, ROI is 6.00% p.a. and accumulated compound interest computed annually is ₹2029.35, then no of years is

   (i) 7 (ii) 6 (iii) 5 (iv) 3 (v) 4

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8. If principal is ₹10000.00, ROI is 6.00% p.a. and accumulated compound interest computed annually is ₹1910.16, then amount is

   (i) ₹11908.16 (ii) ₹11910.16 (iii) ₹11909.16

   (iv) (v)

₹11911.16 ₹11912.16

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9. If principal is ₹10000.00 and compound interest amount is ₹12624.77 for 4 year(s) computed annually, then interest is

(i) ₹2624.77 (ii) ₹2622.77 (iii) ₹2623.77

(iv) ₹2625.77 (v) ₹2626.77

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10. If principal is ₹17000.00 and compound interest amount is ₹18035.30 for 2 year(s) computed annually, then ROI per annum is

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

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11. If the compound interest amount for a certain principal is ₹30599.69 for 5 year(s) at an ROI of 10.00% p.a. computed annually, then principal is

(i) ₹18999.00 (ii) ₹18998.00 (iii) ₹19000.00

(iv) ₹19002.00 (v) ₹19001.00

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12. If the compound interest amount for a certain principal is ₹21224.16 for 3 year(s) at an ROI of 2.00% p.a. computed annually, then interest is

(i) ₹1224.16 (ii) ₹1223.16 (iii) ₹1222.16

(iv) ₹1225.16 (v) ₹1226.16

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13. If the compound interest on a certain principal is ₹5249.54 for 4 year(s) at ROI 6.00% p.a. computed annually, then what is the compound interest for the same principal and ROI for 3 year(s)?

(i) ₹3820.32 (ii) ₹3822.32 (iii) ₹3819.32

(iv) ₹3821.32 (v) ₹3818.32

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14. If the compound interest on a certain principal is ₹6426.29 for 5 year(s) at ROI 6.00% p.a. computed annually, then what is the compound interest for the same principal and duration at 8.00% p.a. ROI?

(i) ₹8916.23 (ii) ₹8917.23 (iii) ₹8915.23

(iv) ₹8918.23 (v) ₹8919.23

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15. If the compound interest on a certain principal is ₹5924.86 for 5 year(s) at ROI 9.00% p.a. computed annually, then what is the compound interest for the same principal at 10.00% p.a. ROI and duration 6 year(s)?

(i) ₹8489.17 (ii) ₹8486.17 (iii) ₹8488.17

(iv) ₹8487.17 (v) ₹8485.17

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16. Calculate the amount on ₹16000.00 for 2 years 4 months
at 10.00% p.a. compounded annually

(i) ₹20003.33 (ii) ₹20007.33 (iii) ₹20006.33

(iv) ₹20005.33 (v) ₹20004.33

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17. Calculate the amount on ₹18000.00 for $5\frac{5}{12}$ years

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at 2.00% p.a. compounded annually

(i) ₹20041.07 (ii) ₹20039.07 (iii) ₹20037.07

(iv) ₹20038.07 (v) ₹20040.07

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18. A man borrows a ₹19000.00 at 7.00% p.a. compounded annually. If he repays ₹10165.00 at the end of year 1 , ₹2719.14 at the end of year 2 , how much loan is outstanding against him at the beginning of the year 3.

(i) ₹8157.41 (ii) ₹8158.41 (iii) ₹8155.41

(iv) ₹8159.41 (v) ₹8156.41

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19. A man invests a ₹9000.00 for 2 years at 9.00% p.a. compounded annually. If 3% of the accrued interest at the end of each year is deducted as income tax, find the amount he receives at the end of 2 years.

(i) ₹10641.99 (ii) ₹10638.99 (iii) ₹10640.99

(iv) ₹10637.99 (v) ₹10639.99

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

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

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

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21. If principal is ₹6000.00, ROI is 3.00% p.a., no of year(s) is 4 computed annually, then the difference of compound and simple interest =

(i) ₹35.05 (ii) ₹34.05 (iii) ₹33.05

(iv) ₹32.05 (v) ₹31.05

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22. If the difference of compound and simple interest on a certain principal is ₹333.06 for ROI 4.00% p.a. and no of year(s) 5 computed annually, then the principal =

(i) ₹19999.00 (ii) ₹19998.00 (iii) ₹20000.00

(iv) ₹20002.00 (v) ₹20001.00

Assignment Key

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