

D.K.M. College for Women (Autonomous)
Aptitude Test

Compound Interest – Test 6

1. Albert invested an amount of Rs.8000 in a fixed deposit scheme for 2 years at compound interest rate 5 p.c.p.a. How much amount will Albert get on maturity of the fixed deposit?
(a) Rs.8600 (b) Rs.8620 (c) Rs.8800 (d) Rs.8840 (e) None of these
2. What will be the compound interest on a sum of Rs.25,000 after 3 years at the rate of 12 p.c.p.a.
(a) Rs.9000.30 (b) Rs.9720 (c) Rs.10123.20 (d) Rs.10483.20 (e) None of these
3. A man saves Rs.200 at the end of each year and lends the money at 5% compound interest. How much will it become at the end of 3 years?
(a) Rs.565.25 (b) Rs.635 (c) Rs.662.02 (d) Rs.666.50
4. Find the compound interest on Rs.15,625 for 9 months at 16% per annum compounded quarterly.
(a) Rs.1851 (b) Rs.1941 (c) Rs.1951 (d) Rs.1961
5. If the simple interest on a sum of money for 2 years at 5% per annum is Rs.50, What is the compound interest on the same sum at the same rate and for the same time?
(a) Rs.51.25 (b) Rs.52 (c) Rs.54.25 (d) Rs.60
6. The compound interest on Rs.30,000 at 7% per annum is Rs.4347. The period (in years) is:
(a) Rs.2 (b) $Rs.2\frac{1}{2}$ (c) Rs.3 (d) Rs.4
7. The principal that amounts to Rs.4913 in 3 years at $6\frac{1}{4}$ % per annum compound interest compounded annually, is:
(a) Rs.3096 (b) Rs.4076 (c) Rs.4085 (d) Rs.4096
8. If the compound interest on a sum for 2 years at $12\frac{1}{2}$ % per annum is Rs.510, the simple interest on the same sum at the same rate for the same period of time is:
(a) Rs.400 (b) Rs.450 (c) Rs.460 (d) Rs.480
9. The compound interest on a certain sum for 2 years at 10% per annum is Rs.525. The simple interest on the same sum for double the time at half the rate percent per annum is:
(a) Rs.400 (b) Rs.500 (c) Rs.600 (d) Rs.800

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10. The simple interest on a certain sum of money for 3 years at 8% per annum is half the compound interest on Rs.4000 for 2 years at 10% per annum. The sum placed on simple interest is:
(a) Rs.1550 (b) Rs.1650 (c) Rs.1750 (d) Rs.2000
11. There is 60% increase in an amount in 6 years at simple interest. What will be the compound interest of Rs.12,000 after 3 years at the same rate?
(a) Rs.2160 (b) Rs.3120 (c) Rs.3972 (d) Rs.6240 (e) None of these
12. The difference between the compound interest and simple interest, on an amount of the Rs.15,000 for 2 years is Rs.96. What is the rate of interest for annum?
(a) Rs.8 (b) Rs.10 (c) Rs.12 (d) Cannot be determined
13. The difference between simple interest and compound interest compounded annually on certain sum of the money for 2 years at 4% per annum is Rs.1. The sum is:
(a) Rs.625 (b) Rs.630 (c) Rs.640 (d) Rs.650
14. The difference between simple interest on a certain sum at the rate of 10% per annum for 2 years and compounded interest which is compounded every 6 months is 124.05 what is the principal of sum
(a) Rs.6000 (b) Rs.8000 (c) Rs.10,000 (d) Rs.12,000 (e) None of these
15. The difference between compound interest and simple interest on a sum for 2 years at 10% per annum, when the interest is compound interest annually is Rs.16. If the interest were compounded half-yearly, the difference in two interests would be:
(a) Rs.24.81 (b) Rs.26.90 (c) Rs.31.61 (d) Rs.32.40
16. On a sum of money, the simple interest for 2 years is Rs.660, while the compound interest is Rs.696.30, the rate of interest being the same in both the cases. The rate of interest is:
(a) 10% (b) 10.5% (c) 12% (d) None of these
17. The effective annual rate of interest corresponding to a nominal rate of 6% per annum payable half-yearly is:
(a) 6.06% (b) 6.07% (c) 6.08% (d) 6.09%
18. A sum of money invested at compound interest amounts to Rs.800 in 3 years and to Rs.840 in 4 years. The rate of interest per annum is:
(a) $2\frac{1}{2}\%$ (b) 4% (c) 5% (d) $6\frac{2}{3}\%$
19. A sum of money invested at compound interest amounts to Rs.4624 in 2 years and to Rs.4913 in 3 years. The sum of money is:

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- (a) Rs.4096 (b) Rs.4260 (c) Rs.4335 (d) Rs.4360
20. A sum of money becomes Rs.13, 380 after 3 years and Rs.20, 070 after 6 years on compound interest. The sum is:
(a) Rs.8800 (b) Rs.8890 (c) Rs.8920 (d) Rs.9040
21. A sum of money placed at compound interest doubles itself in 5 years. It will amount to eight times itself at the same rate of interest in:
(a) 7 years (b) 10 years (c) 15 years (d) 20 years
22. The least number of complete years in which a sum of money put out at 20% compound interest will be more than doubled is:
(a) 3 (b) 4 (c) 5 (d) 6
23. What annual payment will discharge a debt of Rs.1025 due in 2 years at the rate of 5% compound interest?
(a) Rs.550 (b) Rs.551.25 (c) Rs.560 (d) Rs.560.75
24. A sum of money is borrowed and paid back in two annual instalments of Rs.882 each allowing 5% compound interest. The sum borrowed was:
(a) Rs.1620 (b) Rs.1640 (c) Rs.1680 (d) Rs.1700
25. If the compound interest on a sum for 2 years at $12\frac{1}{2}$ % per annum is Rs.510, the simple interest on the same sum at the same rate for the same period of time is:
(a) Rs.400 (b) Rs.450 (c) Rs.460 (d) Rs.450