

QUESTIONS ASKED IN PREVIOUS SSC EXAMS

TYPE-I

1. At what percent per annum will ₹ 3000/- amounts to ₹ 3993/- in 3 years if the interest is compounded annually?

(1) 9% (2) 10%
(3) 11% (4) 13%

(SSC CGL Prelim Exam. 27.02.2000
(First Sitting) & (SSC SAS Exam.
26.06.2010 (Paper-I)

2. The compound interest on ₹ 10,000 in 2 years at 4% per annum, the interest being compounded half-yearly, is :

(1) ₹ 636.80 (2) ₹ 824.32
(3) ₹ 912.86 (4) ₹ 828.82

(SSC CGL Prelim Exam. 27.02.2000
(Second Sitting)

3. In how many years will ₹ 2,000 amounts to ₹ 2,420 at 10% per annum compound interest?

(1) 3 years (2) $2\frac{1}{2}$ years

(3) 2 years (4) $1\frac{1}{2}$ years

(SSC CGL Prelim Exam. 27.02.2000
(IInd Sitting) & (SSC CGL Prelim
Exam. 13.11.2005 (IInd Sitting)

4. In what time will ₹ 1000 becomes ₹ 1331 at 10% per annum compounded annually?

(1) 3 years (2) $2\frac{1}{2}$ years

(3) 2 years (4) $3\frac{1}{2}$ years

(SSC CGL Prelim Exam. 08.02.2004
(Second Sitting) & (SSC MTS
Exam. 24.03.2013 (Ist Sitting)

5. The principal, which will amount to ₹ 270.40 in 2 years at the rate of 4% per annum compound interest, is

(1) ₹ 200 (2) ₹ 225
(3) ₹ 250 (4) ₹ 220

(SSC CPO S.I. Exam. 05.09.2004)

6. A sum of money on compound interest amounts to ₹ 10648 in 3 years and ₹ 9680 in 2 years. The rate of interest per annum is :

(1) 5% (2) 10%
(3) 15% (4) 20%

(SSC CPO S.I. Exam. 26.05.2005)

7. At what rate per cent per annum will ₹ 2304 amount to ₹ 2500 in 2 years at compound interest ?

(1) $4\frac{1}{2}\%$ (2) $4\frac{1}{5}\%$

(3) $4\frac{1}{6}\%$ (4) $4\frac{1}{3}\%$

(SSC CPO S.I. Exam. 05.09.2004
& (SSC CGL Prelim Exam.
13.11.2005 (First Sitting)

8. A sum becomes ₹ 1,352 in 2 years at 4% per annum compound interest. The sum is

(1) ₹ 1,225 (2) ₹ 1,270
(3) ₹ 1,245 (4) ₹ 1,250

(SSC CGL Prelim Exam. 11.05.2003
(IInd Sitting) & (SSC CGL Prelim
Exam. 13.11.2005 (IInd Sitting) &
(SSC CISF ASI Exam. 29.08.2010)

9. The compound interest on ₹ 16,000 for 9 months at 20% per annum, interest being compounded quarterly, is

(1) ₹ 2,520 (2) ₹ 2,524
(3) ₹ 2,522 (4) ₹ 2,518

(SSC CPO S.I. Exam. 03.09.2006)

10. If the rate of interest be 4% per annum for first year, 5% per annum for second year and 6% per annum for third year, then the compound interest of ₹ 10,000 for 3 years will be

(1) ₹ 1,600 (2) ₹ 1,625.80
(3) ₹ 1,575.20 (4) ₹ 2,000

(SSC CPO S.I. Exam. 03.09.2006)

11. The compound interest on ₹ 2000 in 2 years if the rate of interest is 4% per annum for the first year and 3% per annum for the second year, will be

(1) ₹ 142.40 (2) ₹ 140.40
(3) ₹ 141.40 (4) ₹ 143.40

(SSC CGL Prelim Exam. 04.02.2007
(Second Sitting)

12. At what rate per annum will ₹ 32000 yield a compound interest of ₹ 5044 in 9 months interest being compounded quarterly ?

(1) 20% (2) 32%
(3) 50% (4) 80%

(SSC CGL Prelim Exam. 04.02.2007
(Second Sitting)

13. The compound interest on ₹ 8,000 at 15% per annum for 2 years 4 months, compounded annually is:

(1) ₹ 2980 (2) ₹ 3091
(3) ₹ 3109 (4) ₹ 3100

(SSC CPO S.I. Exam. 16.12.2007)

14. In what time will ₹ 10,000 amount to ₹ 13310 at 20% per annum compounded half yearly?

(1) $1\frac{1}{2}$ years (2) 2 years

(3) $2\frac{1}{2}$ years (4) 3 years

(SSC CGL Prelim Exam. 27.07.2008
(First Sitting)

15. A certain sum of money yields ₹ 1261 as compound interest for 3 years at 5% per annum. The sum is

(1) ₹ 9000 (2) ₹ 8400
(3) ₹ 7500 (4) ₹ 8000

(SSC CGL Prelim Exam. 27.07.2008
(First Sitting)

16. A certain sum, invested at 4% per annum compound interest, compounded half yearly, amounts to ₹ 7,803 at the end of one year. The sum is

(1) ₹ 7,000 (2) ₹ 7,200
(3) ₹ 7,500 (4) ₹ 7,700

(SSC CGL Prelim

Exam. 27.07.2008 (IInd Sitting)

17. A certain sum amounts to ₹ 5,832 in 2 years at 8% per annum compound interest, the sum is

(1) ₹ 5,000 (2) ₹ 5,200
(3) ₹ 5,280 (4) ₹ 5,400

(SSC CGL Prelim Exam. 27.07.2008
(Second Sitting)

18. The compound interest on ₹ 6,000 at 10% per annum for

$1\frac{1}{2}$ years, when the interest being compounded annually, is

(1) ₹ 910 (2) ₹ 870
(3) ₹ 930 (4) ₹ 900

(SSC CPO S.I. Exam. 09.11.2008)

19. In what time will ₹ 8,000 amount to ₹ 9,261 at 10% per annum compound interest, when the interest is compounded half yearly ?

(1) $3\frac{1}{2}$ years (2) $1\frac{1}{2}$ years

(3) $2\frac{1}{2}$ years (4) 2 years

(SSC CPO S.I. Exam. 09.11.2008)

COMPOUND INTEREST

- 20.** At what rate per cent per annum will a sum of ₹ 1,000 amounts to ₹ 1,102.50 in 2 years at compound interest ?

(1) 5% (2) 5.5%
(3) 6% (4) 6.5%

(SSC CGL Tier-I Exam. 16.05.2010
(First Sitting))

- 21.** In how many years will a sum of ₹ 800 at 10% per annum compound interest, compounded semi-annually becomes ₹ 926.10 ?

(1) $1\frac{1}{2}$ years (2) $1\frac{2}{3}$ years

(3) $2\frac{1}{3}$ years (4) $2\frac{1}{2}$ years

(SSC CGL Tier-I Exam. 16.05.2010
(Second Sitting))

- 22.** An amount of ₹ 6,000 lent at 5% per annum compound interest for 2 years will become

(1) ₹ 600 (2) ₹ 6,600
(3) ₹ 6,610 (4) ₹ 6,615

(SSC (South Zone) Investigator
Exam. 12.09.2010)

- 23.** In what time will ₹ 1000 amounts to ₹ 1331 at 20% per annum, compounded half yearly ?

(1) $1\frac{1}{2}$ years (2) 2 years

(3) 1 year (4) $2\frac{1}{2}$ years

(SSC CGL Prelim Exam. 11.05.2003
(First Sitting))

- 24.** The compound interest on ₹ 30,000 at 7% per annum for a certain time is ₹ 4,347. The time is

(1) 3 years (2) 4 years
(3) 2 years (4) 2.5 years

(SSC Sub-Inspector & LDC Exam.
21.10.2012 (1st Sitting))

- 25.** A sum of ₹ 8000 will amount to ₹ 8820 in 2 years if the interest is calculated every year. The rate of compound interest is

(1) 6% (2) 7%
(3) 3% (4) 5%

(SSC Sub-Inspector & LDC Exam.
28.10.2012, 1st Sitting)

- 26.** A principal of ₹ 10,000, after 2 years compounded annually, the rate of interest being 10% per annum during the first year and 12% per annum during the second year (in rupees) will amount to :

(1) ₹ 12,000 (2) ₹ 12,320
(3) ₹ 12,500 (4) ₹ 11,320

(SSC Sub-Inspector & LDC Exam.
04.11.2012, 1st Sitting)

- 27.** The sum of money that yields a compound interest of ₹ 420 during the second year at 5% p.a is

(1) ₹ 4,000 (2) ₹ 42,000
(3) ₹ 8,000 (4) ₹ 21,000

(SSC Graduate Level Tier-I
Exam. 11.11.2012, 1st Sitting)

- 28.** A man saves ₹ 2000 at the end of each year and invests the money at 5% compound interest. At the end of 3 years he will have :

(1) ₹ 4305 (2) ₹ 6305
(3) ₹ 4205 (4) ₹ 2205

(SSC Multi-Tasking Staff
Exam. 10.03.2013)

- 29.** The time in which ₹ 80,000 amounts to ₹ 92,610 at 10% p.a. compound interest, interest being compounded semi annually is :

(1) $1\frac{1}{2}$ years (2) 2 years

(3) $2\frac{1}{2}$ years (4) 3 years

(SSC Graduate Level Tier-I
Exam. 21.04.2013, 1st Sitting)

- 30.** A man borrows ₹ 21000 at 10% compound interest. How much he has to pay annually at the end of each year, to settle his loan in two years ?

(1) ₹ 12000 (2) ₹ 12100
(3) ₹ 12200 (4) ₹ 12300

(SSC Graduate Level Tier-I
Exam. 21.04.2013 1st Sitting)

- 31.** ₹ 800 at 5% per annum compounded annually will amount to ₹ 882 in

(1) 1 year (2) 2 years
(3) 3 years (4) 4 years

(SSC Constable (GD)
Exam. 12.05.2013)

- 32.** The compound interest on ₹ 5,000 for 3 years at 10% p. a. will amount to

(1) ₹ 1,654 (2) ₹ 1,655
(3) ₹ 1,600 (4) ₹ 1,565

(SSC Graduate Level Tier-II
Exam. 29.09.2013)

- 33.** A sum of ₹ 3,200 invested at 10% p.a. compounded quarterly amounts to ₹ 3,362. Compute the time period.

(1) $\frac{1}{2}$ year (2) 1 year

(3) 2 years (4) $\frac{3}{4}$ year

(SSC Graduate Level Tier-II
Exam. 29.09.2013)

- 34.** The compound interest on a certain sum of money for 2 years at 5% is ₹ 328, then the sum is

(1) ₹ 3000 (2) ₹ 3600
(3) ₹ 3200 (4) ₹ 3400

(SSC CGL Tier-II Exam. 21.09.2014)

- 35.** Two years ago, the value of my motorbike was ₹ 62500. If the value depreciates by 4% every year, now its value is

(1) ₹ 56700 (2) ₹ 57600
(3) ₹ 57500 (4) ₹ 55700

(SSC CGL Tier-II Exam. 21.09.2014)

- 36.** The compound interest on a sum of money for 2 years is ₹ 615 and the simple interest for the same period is ₹ 600. Find the principal.

(1) ₹ 6,500 (2) ₹ 6,000
(3) ₹ 8,000 (4) ₹ 9,500

(SSC CHSL DEO Exam. 16.11.2014)
(1st Sitting)

- 37.** Rekha invested a sum of ₹ 12000 at 5% per annum compound interest. She received an amount of ₹ 13230 after n years. Find n .

(1) 2.8 years (2) 3.0 years
(3) 2.5 years (4) 2.0 years

(SSC CAPFs SI, CISF ASI & Delhi
Police SI Exam. 22.06.2014
TF No. 999 KP0)

- 38.** When principal = ₹ S , rate of interest = $2r$ % p.a, then a person will get after 3 years at compound interest

(1) ₹ $\frac{6Sr}{100}$

(2) ₹ $S \left(1 + \frac{r}{100}\right)^3$

(3) ₹ $S \left(1 + \frac{r}{50}\right)^3$

(4) ₹ $3S \left(1 + \frac{r}{100}\right)^3$

(SSC CGL Tier-II Exam. 12.04.2015
TF No. 567 TL 9)

COMPOUND INTEREST

- 39.** The sum of money which becomes ₹ 2420 at 10 % rate of compound interest after two years is

(1) ₹ 2000 (2) ₹ 1000
(3) ₹ 2500 (4) ₹ 1500

(SSC CGL Tier-II Exam. 12.04.2015
TF No. 567 TL 9)

- 40.** On a certain principal the compound interest compounded annually for the second year at 10% per annum is ₹ 132. The principal is

(1) ₹ 1250 (2) ₹ 1000
(3) ₹ 1200 (4) ₹ 1320

(SSC CGL Tier-II Exam. 12.04.2015
TF No. 567 TL 9)

- 41.** The principal that yields a compound interest of Rs. 420 during the second year at 5% per annum is

(1) Rs. 7,000 (2) Rs. 5,000
(3) Rs. 8,000 (4) Rs. 6,000

(SSC CGL Tier-II Exam,
2014 12.04.2015 (Kolkata Region)
TF No. 789 TH 7)

- 42.** In what time will Rs. 64,000 amount to Rs. 68,921 at 5% per annum, interest being compounded half yearly ?

(1) 3 years (2) $2\frac{1}{2}$ years
(3) 2 years (4) $1\frac{1}{2}$ years

(SSC CAPFs SI, CISF ASI & Delhi
Police SI Exam, 21.06.2015
IInd Sitting)

- 43.** A certain sum will amount to ₹ 12,100 in 2 years at 10% per annum of compound interest, interest being compounded annually. The sum is

(1) ₹ 8000 (2) ₹ 6000
(3) ₹ 12000 (4) ₹ 10000

(SSC CGL Tier-I Exam, 16.08.2015
(Ist Sitting) TF No. 3196279)

- 44.** At what rate of compound interest per annum will a sum of Rs. 1200 become Rs. 1348.32 in 2 years?

(1) 7.5% (2) 6.5%
(3) 7% (4) 6%

(SSC CHSL (10+2) LDC, DEO
& PA/SA Exam, 15.11.2015
(IInd Sitting) TF No. 7203752)

- 45.** The compound interest on Rs. 12000 for 9 months at 20% per annum, interest being compounded quarterly is :

(1) Rs. 1750 (2) Rs. 2089.70
(3) Rs. 1891.50 (4) Rs. 2136.40
(SSC CHSL (10+2) LDC, DEO
& PA/SA Exam, 06.12.2015
(IInd Sitting) TF No. 3441135)

- 46.** The compound interest on Rs. 30,000 at 7% per annum for n years is Rs. 4347. The value of n is

(1) 3 (2) 2
(3) 4 (4) 5

(SSC CGL Tier-II Online
Exam.01.12.2016)

- 47.** A sum of Rs. 2420 is accumulated in 2 years at 10% compound interest on a certain amount. Then the original amount is :

(1) Rs. 1000 (2) Rs. 2000
(3) Rs. 1500 (4) Rs. 2500

(SSC CPO Exam. 06.06.2016
(Ist Sitting))

- 48.** The compound interest on a sum of Rs. 5000 at 8% per annum for 9 months when interest is compounded quarterly is :

(1) Rs. 300 (2) Rs. 300.12
(3) Rs. 306.04 (4) Rs. 308

(SSC CAPFs (CPO) SI & ASI,
Delhi Police Exam. 05.06.2016
(Ist Sitting))

- 49.** 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 :

(1) $2\frac{1}{2}\%$ (2) 4%

(3) 5% (4) $6\frac{2}{3}\%$

(SSC CGL Tier-I (CBE)

Exam. 27.08.2016) (IInd Sitting)

- 50.** In how many years will a sum of Rs. 800 at 10% per annum compounded semi-annually become Rs. 926.10?

(1) $2\frac{1}{2}$ years (2) 3 years

(3) 2 years (4) $1\frac{1}{2}$ years

(SSC CGL Tier-I (CBE)

Exam. 27.08.2016) (IInd Sitting)

- 51.** A sum of Rs. 2000 amounts to Rs. 4000 in two years at compound interest. In how many years will the same amount become Rs. 8000 ?

(1) 2 (2) 4
(3) 6 (4) 8

(SSC CGL Tier-I (CBE)

Exam. 29.08.2016) (IInd Sitting)

- 52.** The compound interest on Rs. 64,000 for 3 years, compounded annually at 7.5% p.a. is

(1) Rs. 14,400 (2) Rs. 15,705
(3) Rs. 15,507 (4) Rs. 15,075

(SSC CGL Tier-I (CBE)

Exam. 01.09.2016) (Ist Sitting)

- 53.** Find the amount which Shyam will get on Rs. 4096, if he gives

it for 18 months at $12\frac{1}{2}\%$ per annum, interest being compounded half yearly.

(1) Rs. 5,813 (2) Rs. 4,515
(3) Rs. 4,913 (4) Rs. 5,713

(SSC CGL Tier-I (CBE)

Exam. 02.09.2016) (IInd Sitting)

- 54.** If Rs. 10000 amounts to Rs. 11664 invested in compound interest (compounded annually) for two years then the annual rate of compound interest is

(1) 10% (2) 9%
(3) 8% (4) 6%

(SSC CGL Tier-I (CBE)

Exam. 06.09.2016) (Ist Sitting)

- 55.** The compound interest on Rs. 4000 for 4 years at 10% per annum will be

(1) Rs. 1856.40 (2) Rs. 1600
(3) Rs. 1856 (4) Rs. 1756.60

(SSC CGL Tier-II (CBE)

Exam. 30.11.2016)

- 56.** A man invested a sum of money at compound interest. It amounted to Rs. 2420 in 2 years and to Rs. 2662 in 3 years. Find the sum.

(1) Rs. 1000 (2) Rs. 2000
(3) Rs. 5082 (4) Rs. 3000

(SSC CGL Tier-II Online

Exam.01.12.2016)

- 57.** A sum of Rs. 3000 amounts to Rs. 6000 in two years at compound interest. The interest for four years is :

(1) Rs. 9000 (2) Rs. 12000
(3) Rs. 6000 (4) Rs. 3000

(SSC CGL Tier-I (CBE)

Exam. 31.08.2016) (IIInd Sitting)

- 58.** If a sum of Rs.12500 is invested for 1 year at 12% per annum interest being compounded semi-annually, then interest earned is :

(1) Rs.1505 (2) Rs.1535
(3) Rs.1545 (4) Rs.1550

(SSC CGL Tier-I (CBE)

Exam. 06.09.2016) (IInd Sitting)

- 59.** A sum of money amounts to Rs. 6655 at the rate of 10% compounded annually for 3 years. The sum of money is

(1) Rs. 5000 (2) Rs. 5500
(3) Rs. 6000 (4) Rs. 6100

(SSC CGL Tier-I (CBE)

Exam. 06.09.2016) (IIInd Sitting)

60. In what time (in years) will Rs. 8000 amount to Rs. 9261 at 5% per annum, compounded annually?

(1) 3 (2) $3\frac{1}{2}$
(3) 4 (4) $4\frac{1}{2}$

(SSC CGL Tier-I (CBE)
Exam. 07.09.2016 (IIIrd Sitting))

61. The compound interest on Rs. 1000 at 10% per annum for 3 years in (Rs.) is :

(1) Rs. 1331 (2) Rs. 331
(3) Rs. 300 (4) Rs. 1300

(SSC CGL Tier-I (CBE)
Exam. 08.09.2016 (IIInd Sitting))

62. What would be the compound interest of Rs. 25000 for 2 years at the rate of 5% per annum ?

(1) Rs. 2500 (2) Rs. 2562.5
(3) Rs. 2425.25 (4) Rs. 5512.5

(SSC CGL Tier-I (CBE)
Exam. 09.09.2016 (IIInd Sitting))

63. The compound interest on Rs. 24000 at 10% per annum for $1\frac{1}{2}$

years, interest being compounded semi-annually is :

(1) Rs. 3783 (2) Rs. 3777
(3) Rs. 3780 (4) Rs. 3781

(SSC CGL Tier-I (CBE)
Exam. 09.09.2016 (IIIrd Sitting))

64. The sum for 2 years gives a compound interest of Rs. 3225 at the rate of 15% per annum. The sum is

(1) Rs. 10000 (2) Rs. 20000
(3) Rs. 15000 (4) Rs. 32250

(SSC CGL Tier-II (CBE)
Exam. 12.01.2017)

65. In 3 years Rs. 3000 amounts to Rs. 3993 at x% compound interest, compounded annually. The value of x is

(1) 10 (2) 8

(3) 5 (4) $3\frac{1}{3}$

(SSC CGL Tier-II (CBE)
Exam. 12.01.2017)

66. The least number of years in which a sum of money on 19% p.a. compound interest will be more than double is

(1) 3 years (2) 4 years
(3) 5 years (4) 2 years

(SSC Multi-Tasking Staff
Exam. 30.04.2017)

TYPE-II

1. If the compound interest on a certain sum for 2 years at 3% per annum is ₹ 101.50, then the simple interest on the same sum at the same rate and for the same time will be

(1) ₹ 90.00 (2) ₹ 95.50
(3) ₹ 100.00 (4) ₹ 98.25

(SSC CPO S.I. Exam. 12.01.2003)

2. If the compound interest on a sum of money for 3 years at the rate of 5% per annum is ₹ 252.20, the simple interest on the same sum at the same rate and for the same time is

(1) ₹ 220 (2) ₹ 240
(3) ₹ 245 (4) ₹ 250

(SSC CPO S.I. Exam. 07.09.2003)

3. On a certain sum of money the compound interest for 2 years is ₹ 282.15 and the simple interest for the same period of time is ₹ 270. The rate of interest per annum is

(1) 6.07% (2) 10%
(3) 9% (4) 12.15%

(SSC CPO S.I. Exam. 07.09.2003)

4. If the compound interest on a sum for 2 years at $12\frac{1}{2}\%$ per annum is ₹ 510, the simple interest on the same sum at the same rate for the same period of time is :

(1) ₹ 400 (2) ₹ 480
(3) ₹ 450 (4) ₹ 460

(SSC CGL Prelim Exam. 08.02.2004
(First Sitting))

5. The compound interest on a certain sum of money at a certain rate for 2 years is ₹ 40.80 and the simple interest on the same sum is ₹ 40 at the same rate and for the same time. The rate of interest is

(1) 2% per annum
(2) 3% per annum
(3) 4% per annum
(4) 5% per annum

(SSC CPO S.I. Exam. 05.09.2004)

6. The compound interest on a certain sum of money invested for 2 years at 5% per annum is ₹ 328. The simple interest on the sum, at the same rate and for the same period will be

(1) ₹ 320 (2) ₹ 308
(3) ₹ 300 (4) ₹ 287

(SSC CPO S.I. Exam. 05.09.2004) &
(SSC CPO S.I. Exam. 26.05.2005)

7. Compound interest on a sum of money for 2 years at 4 per cent per annum is ₹ 2, 448. Simple interest of the same sum of money at the same rate of interest for 2 years will be

(1) ₹ 2,500 (2) ₹ 2,400
(3) ₹ 2,360 (4) ₹ 2,250

(SSC Section Officer (Commercial
Audit) Exam. 26.11.2006
(Second Sitting))

8. At a certain rate per annum, the simple interest on a sum of money for one year is ₹ 260 and the compound interest on the same sum for two years is ₹ 540.80. The rate of interest per annum is

(1) 4% (2) 6%
(3) 8% (4) 10%

(SSC CGL Prelim Exam. 27.07.2008
(First Sitting))

9. The simple interest on a sum of money at 4% per annum for 2 years is ₹ 80. The compound interest in the same sum for the same period is

(1) ₹ 82.60 (2) ₹ 82.20
(3) ₹ 81.80 (4) ₹ 81.60

(SSC CGL Prelim Exam. 27.07.2008
(First Sitting))

10. The compound interest on a certain sum of money at 5% per annum for 2 years is ₹ 246. The simple interest on the same sum for 3 years at 6% per annum is

(1) ₹ 435 (2) ₹ 450
(3) ₹ 430 (4) ₹ 432

(SSC CGL Prelim Exam. 27.07.2008
(Second Sitting))

11. The simple interest and compound interest (compounded annually) on a certain sum of money with a given rate for a period of 2 years are ₹ 900 and ₹ 954 respectively. The sum of money is

(1) ₹ 3700 (2) ₹ 3650
(3) ₹ 3850 (4) ₹ 3750

(SSC CPO S.I. Exam. 09.11.2008)

12. The compound interest on a certain sum of money for 2 years at 10% per annum is ₹ 420. The simple interest on the same sum at the same rate and for the same time will be

(1) ₹ 350 (2) ₹ 375
(3) ₹ 380 (4) ₹ 400

(SSC Assistant Grade-III Exam.
11.11.2012 (IIInd Sitting))

COMPOUND INTEREST

- 13.** If the compound interest on a certain sum for 2 years at 4% p.a. is ₹ 102, the simple interest at the same rate of interest for two years would be

(1) ₹ 200 (2) ₹ 50
(3) ₹ 150 (4) ₹ 100

(SSC CGL Exam. 04.07.1999 (1st Sitting) & (SSC Multi-Tasking Staff Exam. 17.03.2013, Kolkata Region)

- 14.** There is 100% increase to an amount in 8 years, at simple interest. Find the compound interest of ₹ 8000 after 2 years at the same rate of interest.

(1) ₹ 2500 (2) ₹ 2000
(3) ₹ 2250 (4) ₹ 2125

(SSC Graduate Level Tier-I Exam. 21.04.2013)

- 15.** If the compound interest on a certain sum for two years at 12% per annum is ₹ 2,544, the simple interest on it at the same rate for 2 years will be

(1) ₹ 2,400 (2) ₹ 2,500
(3) ₹ 2,480 (4) ₹ 2,440

(SSC Graduate Level Tier-I Exam. 19.05.2013)

- 16.** A sum becomes ₹ 2,916 in 2 years at 8% per annum compound interest. The simple interest at 9% per annum for 3 years on the same amount will be

(1) ₹ 600 (2) ₹ 675
(3) ₹ 650 (4) ₹ 625

(SSC Sub-Inspector & LDC Exam. 20.10.2013)

- 17.** The compound interest on a certain sum of money at a certain rate per annum for two years is ₹ 2,050, and the simple interest on the same amount of money at the same rate for 3 years is ₹ 3,000. Then the sum of money is

(1) ₹ 20,000 (2) ₹ 18,000
(3) ₹ 21,000 (4) ₹ 25,000

(SSC CGL Tier-I Re-Exam. (2013) 20.07.2014 (IInd Sitting))

- 18.** The compound interest on a certain sum of money for 2 years at 5% per annum is ₹ 410. The simple interest on the same sum at the same rate and for the same time is

(1) ₹ 400 (2) ₹ 300
(3) ₹ 350 (4) ₹ 405

(SSC CGL Tier-I Exam. 19.10.2014 (1st Sitting))

- 19.** If the compound interest on a sum for 2 years at $12\frac{1}{2}$ p.a. is

₹ 510, the simple interest on the same sum at the same rate for the same period of time is

(1) ₹ 400 (2) ₹ 450
(3) ₹ 460 (4) ₹ 480

(SSC CGL Tier-II Exam. 21.09.2014)

- 20.** A man borrowed some money from a private organisation at 5% simple interest per annum. He lent 50% of this money to another person at 10% compound interest per annum and thereby the man made a profit of Rs. 3,205 in 4 years. The man borrowed.

(1) Rs. 80,000
(2) Rs. 1,00,000
(3) Rs. 1,20,000
(4) Rs. 1,50,000

(SSC CGL Tier-I Exam. 19.10.2014 TF No. 022 MH 3)

- 21.** A certain amount of money earns Rs. 540 as Simple Interest in 3 years. If it earns a Compound Interest of Rs. 376.20 at the same rate of interest in 2 years, find the amount (in Rupees).

(1) 1600 (2) 1800
(3) 2000 (4) 2100

(SSC CAPFs SI, CISF ASI & Delhi Police SI Exam. 21.06.2015 (1st Sitting) TF No. 8037731)

- 22.** On a certain sum of money, the simple interest for 2 years is Rs. 350 at the rate of 4% per annum. If it was invested at compound interest at the same rate for the same duration as before, how much more interest would be earned?

(1) Rs. 3.50 (2) Rs. 7
(3) Rs. 14 (4) Rs. 35

(SSC CPO Exam. 06.06.2016 (1st Sitting))

- 23.** The simple interest on a sum of money for 3 years is Rs. 240 and the compound interest on the same sum, at the same rate for 2 years is Rs. 170. The rate of interest is :

(1) 8% (2) $29\frac{1}{6}$ %
(3) $12\frac{1}{2}$ (4) $5\frac{5}{17}$ %

(SSC CAPFs (CPO) SI & ASI, Delhi Police Exam. 20.03.2016 (IInd Sitting))

- 24.** The simple interest on a certain sum of money for 2 years at 5% is Rs. 1600. The compound interest at the same rate after 3 years interest compound annually, is

(1) Rs.2520 (2) Rs.2522
(3) Rs.2555 (4) Rs.2535

(SSC CGL Tier-I (CBE)

Exam. 30.08.2016) (1st Sitting)

- 25.** A man borrowed some money from a private organisation at 5% simple interest per annum. He lent this money to another person at 10% compound interest per annum, and made a profit of Rs. 26,410 in 4 years. The man borrowed

(1) Rs. 200000 (2) Rs. 150000
(3) Rs. 132050 (4) Rs. 100000

(SSC CGL Tier-I (CBE)

Exam. 31.08.2016) (IInd Sitting)

- 26.** If the simple interest on a sum of money for 2 years at 5% per annum is Rs. 50, the compound interest on the same at the same rate and for the same time is :

(1) Rs. 50.50 (2) Rs. 51.25
(3) Rs. 51.50 (4) Rs. 50.05

(SSC CGL Tier-I (CBE)

Exam. 02.09.2016) (IInd Sitting)

- 27.** There is 40% increase in an amount in 8 years at simple interest. What will be the compound interest (in rupees) of Rs 30000 after 2 years at the same rate ?

(1) 6150 (2) 7687.5
(3) 4612.5 (4) 3075

(SSC CHSL (10+2) Tier-I (CBE)

Exam. 16.01.2017) (IInd Sitting)

TYPE-III

- 1.** If the difference between the compound interest, compounded every six months, and the simple interest on a certain sum of money at the rate of 12% per annum for one year is ₹ 36, the sum is :

(1) ₹ 10,000 (2) ₹ 12,000
(3) ₹ 15,000 (4) ₹ 9,000

(SSC CGL Prelim Exam. 27.02.2000 (Second Sitting))

- 2.** What is the difference between compound interest on ₹ 5,000 for $1\frac{1}{2}$ years at 4% per annum according as the interest is compounded yearly or half-yearly?

(1) ₹ 2.04 (2) ₹ 3.06
(3) ₹ 8.30 (4) ₹ 4.80

(SSC CGL Prelim Exam. 27.02.2000 (Second Sitting))

COMPOUND INTEREST

3. The difference between the simple and compound interest on a certain sum of money at 5% rate of interest per annum for 2 years is ₹ 15. Then the sum is :
(1) ₹ 6,500 (2) ₹ 5,500
(3) ₹ 6,000 (4) ₹ 7,000
(SSC CGL Prelim Exam. 24.02.2002 (Second Sitting))
4. If the difference between the compound interest and simple interest on a sum at 5% rate of interest per annum for three years is ₹ 36.60, then the sum is
(1) ₹ 8000 (2) ₹ 8400
(3) ₹ 4400 (4) ₹ 4800
(SSC CGL Prelim Exam. 24.02.2002 (Middle Zone))
5. The difference between compound interest and simple interest on ₹ 2500 for 2 years at 4% per annum is
(1) ₹ 40 (2) ₹ 45
(3) ₹ 14 (4) ₹ 4
(SSC CPO S.I. Exam. 12.01.2003)
6. The difference between simple and compound interest (compounded annually) on a sum of money for 2 years at 10% per annum is ₹ 65. The sum is
(1) ₹ 65650 (2) ₹ 65065
(3) ₹ 6565 (4) ₹ 6500
(SSC CGL Prelim Exam. 11.05.2003 (Second Sitting))
7. The difference between the compound interest (compounded annually) and the simple interest on a sum of ₹ 1000 at a certain rate of interest for 2 years is ₹ 10. The rate of interest per annum is :
(1) 5% (2) 6%
(3) 10% (4) 12%
(SSC CGL Prelim Exam. 08.02.2004 (Second Sitting))
8. If the difference between the simple and compound interests on a sum of money for 2 years at 4% per annum is ₹ 80, the sum is :
(1) ₹ 5000 (2) ₹ 50000
(3) ₹ 10000 (4) ₹ 1000
(SSC CPO S.I. Exam. 26.05.2005)
9. The difference between simple and compound interest on a certain sum of money for 2 years at 4 per cent per annum is ₹ 1. The sum of money is :
(1) ₹ 600 (2) ₹ 625
(3) ₹ 560 (4) ₹ 650
(SSC CGL Prelim Exam. 13.11.2005 (First Sitting) Exam. 26.05.2005)
10. The difference between the simple and compound interest on a certain sum of money for 2 years at 4% per annum is ₹ 4. The sum is
(1) ₹ 2500 (2) ₹ 2,400
(3) ₹ 2,600 (4) ₹ 2,000
(SSC CGL Prelim Exam. 13.11.2005 (Second Sitting))
11. If the difference between the compound and simple interests on a certain sum of money for 3 years at 5% per annum is ₹ 15.25, then the sum is
(1) ₹ 2,000 (2) ₹ 1,000
(3) ₹ 1,500 (4) ₹ 2,500
(SSC CPO S.I. Exam. 03.09.2006)
12. The difference between compound interest and simple interest of a sum for 2 years at 8 per cent is ₹ 768. The sum is
(1) ₹ 1,00,000 (2) ₹ 1,10,000
(3) ₹ 1,20,000 (4) ₹ 1,70,000
(SSC Section Officer (Commercial Audit) Exam. 26.11.2006 (Second Sitting))
13. The difference between the compound and the simple interest on a sum for 2 years at 10% per annum, when the interest is compounded annually, is ₹ 28. If the interest were compounded half-yearly, the difference in the two interests will be
(1) ₹ 44 (2) ₹ 28.35
(3) ₹ 43.41 (4) ₹ 43.29
(SSC Section Officer (Commercial Audit) Exam. 30.09.2007 (Second Sitting))
14. A sum of ₹ 6,000 is deposited for 3 years at 5% per annum compound interest (compounded annually). The difference of interests for 3 and 2 years will be
(1) ₹ 75.00 (2) ₹ 30.75
(3) ₹ 330.75 (4) ₹ 375.00
(SSC Section Officer (Commercial Audit) Exam. 30.09.2007 (Second Sitting))
15. The difference between compound interest (compounded annually) and simple interest on a certain sum of money at 10% per annum for 2 years is ₹ 40. The sum is :
(1) ₹ 4000 (2) ₹ 3600
(3) ₹ 4200 (4) ₹ 3200
(SSC CPO S.I. Exam. 16.12.2007)
16. The difference between compound and simple interest on a certain sum for 3 years at 5% per annum is Rs. 122. The sum is
(1) ₹ 16,000 (2) ₹ 15,000
(3) ₹ 12,000 (4) ₹ 10,000
(SSC CGL Prelim Exam. 27.07.2008 (Second Sitting))
17. The difference between simple interest and compound interest of a certain sum of money at 20% per annum for 2 years is ₹ 48. Then the sum is
(1) ₹ 1,000 (2) ₹ 1,200
(3) ₹ 1,500 (4) ₹ 2,000
(SSC CGL Tier-1 Exam. 19.06.2011 (First Sitting))
18. The difference between the compound interest and simple interest on ₹ 10,000 for 2 years is ₹ 25. The rate of interest per annum is
(1) 5% (2) 7%
(3) 10% (4) 12%
(SSC CGL Tier-1 Exam. 26.06.2011 (First Sitting))
19. If the difference between S.I. and C.I. for 2 years on a sum of money lent at 5% is ₹ 6, then the sum is
(1) ₹ 2200 (2) ₹ 2400
(3) ₹ 2600 (4) ₹ 2000
(SSC CGL Tier-1 Exam. 26.06.2011 (Second Sitting))
20. On a certain sum of money lent out at 16% p.a. the difference between the compound interest for 1 year, payable half yearly, and the simple interest for 1 year is ₹ 56. The sum is
(1) ₹ 1080 (2) ₹ 7805
(3) ₹ 8750 (4) ₹ 5780
(SSC CPO (SI, ASI & Intelligence Officer) Exam. 28.08.2011 (Paper-I))
21. On what sum does the difference between the compound interest and the simple interest for 3 years at 10% is ₹ 31 ?
(1) ₹ 1500 (2) ₹ 1200
(3) ₹ 1100 (4) ₹ 1000
(SSC CGL Prelim Exam. 27.02.2006 (First Sitting))
22. The difference between simple and compound interests on a sum of money at 4% per annum for 2 years is ₹ 8. The sum is
(1) ₹ 400 (2) ₹ 800
(3) ₹ 4,000 (4) ₹ 5,000
(SSC CGL Prelim Exam. 08.02.2004 (First Sitting))

COMPOUND INTEREST

- 23.** On a certain sum of money, the difference between the compound interest for a year, payable half-yearly, and the simple interest for a year is ₹ 180. If the rate of interest in both the cases is 10%, then the sum is

(1) ₹ 60,000 (2) ₹ 72,000
(3) ₹ 62,000 (4) ₹ 54,000

(SSC Multi-Tasking (Non-Technical) Staff Exam. 27.02.2011)

- 24.** The difference between the compound interest and the simple interest on a certain sum at 5% per annum for 2 years is ₹ 1.50. The sum is

(1) ₹ 600 (2) ₹ 500
(3) ₹ 400 (4) ₹ 300

(SSC Multi-Tasking Staff Exam. 10.03.2013, 1st Sitting : Patna)

- 25.** What sum will give ₹ 244 as the difference between simple interest and compound interest at 10%

in $1\frac{1}{2}$ years compounded half yearly ?

(1) ₹ 40,000 (2) ₹ 36,000
(3) ₹ 32,000 (4) ₹ 28,000

(SSC Graduate Level Tier-II Exam. 29.09.2013)

- 26.** The difference between simple and compound interest compounded annually, on a certain sum of money for 2 years at 4% per annum is ₹ 1. The sum (in ₹) is :

(1) 650 (2) 630
(3) 625 (4) 640

(SSC CGL Prelim Exam. 11.05.2003 (First Sitting))

- 27.** The difference between the compound interest and simple interest for the amount ₹ 5,000 in 2 years is ₹ 32. The rate of interest is

(1) 5% (2) 8%
(3) 10% (4) 12%

(SSC CGL Tier-I Exam. 19.06.2011 (Second Sitting))

- 28.** On what sum of money will the difference between S.I and C.I for 2 years at 5% per annum be equal to ₹ 25 ?

(1) ₹ 10,000 (2) ₹ 10,500
(3) ₹ 9,500 (4) ₹ 9000

(SSC CGL Tier-I Re-Exam. (2013) 27.04.2014)

- 29.** The difference between the compound interest and simple interest on a certain sum for 2 years at 10% per annum is ₹ 300. Find the sum.

(1) ₹ 31,000 (2) ₹ 31,500
(3) ₹ 30,000 (4) ₹ 30,500

(SSC CGL Tier-I Re-Exam. (2013) 27.04.2014)

- 30.** Find the difference between the compound interest and the simple interest on ₹ 32,000 at 10% p.a. for 4 years.

(1) ₹ 2051.20 (2) ₹ 2052.50
(3) ₹ 2025.20 (4) ₹ 2501.20

(SSC CHSL DEO & LDC Exam. 16.11.2014)

- 31.** On what sum of money will the difference between simple interest and compound interest for 2 years at 5% per annum be equal to Rs. 63?

(1) Rs. 24,600 (2) Rs. 24,800
(3) Rs. 25,200 (4) Rs. 25,500

(SSC CHSL (10+2) LDC, DEO & PA/SA Exam. 01.11.2015, IInd Sitting)

- 32.** The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 4% per annum is Re. 1. The sum (in Rs.) is :

(1) 620 (2) 630
(3) 640 (4) 625

(SSC CGL Tier-I (CBE) Exam. 09.09.2016 (1st Sitting))

- 33.** The difference between C I and S I for 2 years at 10% rate of interest is Rs. 4. Find the sum of money.

(1) Rs. 400 (2) Rs. 200
(3) Rs. 300 (4) Rs. 800

(SSC CPO SI & ASI, Online Exam. 06.06.2016 (IInd Sitting))

- 34.** The difference between simple and compound interest (compounded annually) on a sum of money for 3 years at 10% per annum is Rs. 93. The sum (in Rs.) is :

(1) 30000 (2) 30300
(3) 3000 (4) 3030

(SSC CGL Tier-I (CBE) Exam. 27.08.2016 (1st Sitting))

- 35.** The difference between compound interest and simple interest on a certain sum of money for 2 years at 5% per annum is Rs. 41. What is the sum of money ?

(1) Rs. 7200 (2) Rs. 9600
(3) Rs. 16400 (4) Rs. 8400

(SSC CGL Tier-I (CBE) Exam. 28.08.2016 (IInd Sitting))

- 36.** If the difference of the compound interest and the simple interest on a sum of money for 3 years is Rs. 186. Find the sum of money, if the rate of interest in both cases be 10%.

(1) Rs. 5500 (2) Rs. 7200
(3) Rs. 6500 (4) Rs. 6000

(SSC CGL Tier-II (CBE) Exam. 30.11.2016)

- 37.** The difference between the simple interest and compound interest (compounded annually) on Rs. 40,000 for 3 years at 8% per annum is :

(1) Rs. 684.32 (2) Rs. 788.48
(3) Rs. 784.58 (4) Rs. 4000

(SSC CGL Tier-I (CBE) Exam. 28.08.2016 (1st Sitting))

- 38.** The difference between compound interest and simple interest on an amount of Rs. 15,000 for 2 years is Rs. 96. The rate of interest per annum is

(1) 6% (2) 7%
(3) 8% (4) 9%

(SSC CGL Tier-I (CBE) Exam. 01.09.2016 (IIIrd Sitting))

- 39.** The difference between compound interest and simple interest on Rs. 5000 for 2 years at 8% per annum payable yearly is

(1) Rs. 30 (2) Rs. 31
(3) Rs. 33 (4) Rs. 32

(SSC CGL Tier-I (CBE) Exam. 03.09.2016 (IIIrd Sitting))

- 40.** If the difference between the compound interest and the simple interest on a certain sum at the rate of 5% per annum for 2 years is Rs. 20, then the sum is :

(1) Rs. 2000 (2) Rs. 4000
(3) Rs. 6000 (4) Rs. 8000

(SSC CGL Tier-I (CBE) Exam. 07.09.2016 (IInd Sitting))

COMPOUND INTEREST

TYPE-IV

1. If the amount is 2.25 times of the sum after 2 years at compound interest (compound annually), the rate of interest per annum is :
(1) 25% (2) 30%
(3) 45% (4) 50%
(SSC CGL Prelim Exam. 04.07.1999 (Second Sitting))
2. A sum of money doubles itself in 4 years at compound interest. It will amount to 8 times itself at the same rate of interest in :
(1) 18 years (2) 12 years
(3) 16 years (4) 24 years
(SSC CGL Prelim Exam. 24.02.2002 (First Sitting) & (SSC CPO S.I. Exam. 16.12.2007))
3. A sum borrowed under compound interest doubles itself in 10 years. When will it become fourfold of itself at the same rate of interest ?
(1) 15 years (2) 20 years
(3) 24 years (4) 40 years
(SSC CGL Prelim Exam. 24.02.2002 (Second Sitting))
4. A sum of money becomes eight times of itself in 3 years at compound interest. The rate of interest per annum is
(1) 100% (2) 80%
(3) 20% (4) 10%
(SSC CGL Prelim Exam. 08.02.2004 (First Sitting))
5. A sum of money invested at compound interest doubles itself in 6 years. At the same rate of interest it will amount to eight times of itself in :
(1) 15 years (2) 12 years
(3) 18 years (4) 10 years
(SSC CGL Prelim Exam. 24.02.2002 (Middle Zone) & (SSC CGL Prelim Exam. 13.11.2005 (First Sitting))
6. A sum of money placed at compound interest doubles itself in 5 years. In how many years, it would amount to eight times of itself at the same rate of interest ?
(1) 10 years (2) 15 years
(3) 7 years (4) 20 years
(SSC CGL Prelim Exam. 13.11.2005 (IInd Sitting) & (SSC CPO S.I. Exam. 06.09.2009) & (SSC CAPs S.I. & CISF ASI Exam. 23.06.2013))

7. A sum of money at compound interest doubles itself in 15 years. It will become eight times of itself in
(1) 45 years (2) 48 years
(3) 54 years (4) 60 years
(SSC CGL Prelim Exam. 04.07.1999 (1st Sitting) & (SSC CGL Tier-I Exam. 16.05.2010 (First Sitting))
8. A sum of ₹ 12,000, deposited at compound interest becomes double after 5 years. How much will it be after 20 years ?
(1) ₹ 1,44,000 (2) ₹ 1,20,000
(3) ₹ 1,50,000 (4) ₹ 1,92,000
(SSC CGL Tier-I Exam. 16.05.2010 (IInd Sitting) & (SSC CGL Tier-I 19.06.2011 (IInd Sitting))
9. At what rate percent per annum of compound interest, will a sum of money become four times of itself in two years ?
(1) 100% (2) 75%
(3) 50% (4) 20%
(SSC (South Zone) Investigator Exam. 12.09.2010)
10. A sum of money becomes double in 3 years at compound interest compounded annually. At the same rate, in how many years will it become four times of itself ?
(1) 4 years (2) 6 years
(3) 6.4 years (4) 7.5 years
(SSC CPO S.I. Exam. 12.12.2010 (Paper-I))
11. A sum of money becomes eight times in 3 years, if the rate is compounded annually. In how much time will the same amount at the same compound rate become sixteen times?
(1) 6 years (2) 4 years
(3) 8 years (4) 5 years
(SSC CGL Tier-1 Exam. 19.06.2011 (First Sitting))
12. A sum of money placed at compound interest doubles itself in 4 years. In how many years will it amount to four times itself ?
(1) 12 years (2) 13 years
(3) 8 years (4) 16 years
(SSC CGL Tier-1 Exam. 26.06.2011 (First Sitting))
13. A sum of money at compound interest amounts to thrice itself in 3 years. In how many years will it be 9 times itself ?

- (1) 9 years (2) 27 years
(3) 6 years (4) 3 years
(SSC Graduate Level Tier-II Exam. 16.09.2012)
14. A sum of money becomes 1.331 times in 3 years as compound interest. The rate of interest is
(1) 8% (2) 7.5%
(3) 10% (4) 50%
(SSC Multi-Tasking Staff Exam. 17.03.2013, IInd Sitting)
15. If a sum of money compounded annually becomes 1.44 times of itself in 2 years, then the rate of interest per annum is
(1) 25% (2) 22%
(3) 21% (4) 20%
(SSC Graduate Level Tier-II Exam. 29.09.2013)
16. If the amount is $3\frac{3}{8}$ times the sum after 3 years at compound interest compounded annually, then the rate of interest per annum is
(1) 25% (2) 50%
(3) $16\frac{2}{3}\%$ (4) $33\frac{1}{3}\%$
(SSC CHSL DEO & LDC Exam. 10.11.2013, 1st Sitting)

TYPE-V

1. A sum of money amounts to ₹ 4,840 in 2 years and to ₹ 5,324 in 3 years at compound interest compounded annually. The rate of interest per annum is :
(1) 10% (2) 9%
(3) 11% (4) 8%
(SSC CPO S.I. Exam. 16.12.2007)
2. A certain sum of money amounts to ₹ 2,420 in 2 years and ₹ 2,662 in 3 years at some rate of compound interest, compounded annually. The rate of interest per annum is
(1) 6% (2) 8%
(3) 9% (4) 10%
(SSC CPO S.I. Exam. 09.11.2008)
3. An amount of money at compound interest grows up to ₹ 3,840 in 4 years and up to ₹ 3,936 in 5 years. Find the rate of interest.
(1) 2.5% (2) 2%
(3) 3.5% (4) 2.05%
(SSC Graduate Level Tier-II Exam. 16.09.2012)

COMPOUND INTEREST

4. A certain amount of money at $r\%$, compounded annually after two and three years becomes ₹1440 and ₹1728 respectively. r is

(1) 5 (2) 10
(3) 15 (4) 20

(SSC CHSL DEO & LDC Exam.
28.10.2012 (1st Sitting))

5. The compound interest on a certain sum for two successive years are ₹225 and ₹238.50. The rate of interest per annum is :

(1) $7\frac{1}{2}\%$ (2) 5%
(3) 10% (4) 6%

(SSC CHSL DEO & LDC Exam.
21.10.2012 (IInd Sitting))

6. An amount of money appreciates to ₹7,000 after 4 years and to ₹10,000 after 8 years at a certain compound interest compounded annually. The initial amount of money was

(1) ₹4,700 (2) ₹4,900
(3) ₹4,100 (4) ₹4,300

(SSC Multi-Tasking Staff
Exam. 17.03.2013, 1st Sitting)

7. A sum of money invested at compound interest amounts to ₹650 at the end of first year and ₹676 at the end of second year. The sum of money is :

(1) ₹600 (2) ₹540
(3) ₹625 (4) ₹560

(SSC CGL Prelim Exam. 24.02.2002
(1st Sitting) & (SSC CPO S.I.
Exam. 07.09.2003))

8. A sum of money invested at compound interest amounts in 3 years to ₹2,400 and in 4 years to ₹2,520. The interest rate per annum is :

(1) 5% (2) 6%
(3) 10% (4) 12%

(SSC CGL Prelim Exam. 24.02.2002
(Second Sitting))

9. A sum becomes ₹4500 after two years and ₹6750 after four years at compound interest. The sum is

(1) ₹4000 (2) ₹2500
(3) ₹3000 (4) ₹3050

(SSC CGL Prelim Exam. 24.02.2002
(Middle Zone) & (SSC CGL
Exam. 13.11.2005))

10. A sum of money at compound interest will amount to ₹650 at the end of the first year and ₹676 at the end of the second year. The amount of money is

(1) ₹1,300 (2) ₹650
(3) ₹1,250 (4) ₹625

(SSC CGL Tier-I Re-Exam. (2013)
20.07.2014 (1st Sitting))

11. On a certain sum of money, the simple interest for 2 years is Rs. 350 at the rate of 4% per annum. It was invested at compound interest at the same rate for the same duration as before, how much more interest would be earned?

(1) Rs. 3.50 (2) Rs. 7
(3) Rs. 14 (4) Rs. 35

(SSC CAPFs (CPO) SI & ASI,
Delhi Police Exam. 05.06.2016)
(1st Sitting)

12. A certain amount grows at an annual interest rate of 12%, compounded monthly. Which of the following equations can be solved to find the number of years, y , that it would take for the investment to increase by a factor of 64 ?

(1) $64 = (1.01)^{12y}$

(2) $\frac{1}{64} = (1.04)^{12y}$

(3) $64 = (1.04)^{12y}$

(4) $8 = (1.01)^{6y}$

(SSC CPO SI & ASI, Online
Exam. 06.06.2016) (IInd Sitting)

13. 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 per cent per annum is :

(1) Rs. 520 (2) Rs. 550
(3) Rs. 500 (4) Rs. 515

(SSC CGL Tier-I (CBE)
Exam. 30.08.2016) (IInd Sitting)

14. A sum of money is invested at 20% compound interest (compounded annually). It would fetch Rs. 723 more in 2 years if interest is compounded half yearly. The sum is

(1) Rs.15,000 (2) Rs.30,000
(3) Rs.20,000 (4) Rs.7,500

(SSC CGL Tier-II (CBE)
Exam. 30.11.2016)

TYPE-VI

1. A builder borrows ₹2550 to be paid back with compound interest at the rate of 4% per annum by the end of 2 years in two equal yearly instalments. How much will each instalment be ?

(1) ₹1352 (2) ₹1377
(3) ₹1275 (4) ₹1283

(SSC CGL Prelim Exam. 27.02.2000
(First Sitting))

2. A man buys a scooter on making a cash down payment of ₹16224 and promises to pay two more yearly instalments of equivalent

amount in next two years. If the rate of interest is 4% per annum, compounded yearly, the cash value of the scooter, is

(1) ₹40000 (2) ₹46824
(3) ₹46000 (4) ₹50000

(SSC CGL Prelim Exam. 04.02.2007
(Second Sitting))

3. Kamal took ₹6800 as a loan which along with interest is to be repaid in two equal annual instalments. If the rate of interest is

$12\frac{1}{2}\%$, compounded annually,

then the value of each instalment is

(1) ₹8100 (2) ₹4150
(3) ₹4050 (4) ₹4000

(SSC CGL Prelim Exam. 27.07.2008
(First Sitting))

4. A loan of ₹12,300 at 5% per annum compound interest, is to be repaid in two equal annual instalments at the end of every year. Find the amount of each instalment.

(1) ₹6,651 (2) ₹6,615
(3) ₹6,516 (4) ₹6,156

(SSC CPO S.I. Exam. 06.09.2009)

5. A sum of ₹210 was taken as a loan. This is to be paid back in two equal instalments. If the rate of interest be 10% compounded annually, then the value of each instalment is

(1) ₹127 (2) ₹121
(3) ₹210 (4) ₹225

(SSC CHSL DEO & LDC
Exam. 9.11.2014)

6. Rs. 16,820 is divided between two brothers of age 27 years and 25 years. They invested their money at 5% per annum compound interest in such a way that both will receive equal money at the age of 40 years. The share (in Rs.) of elder brother is

(1) 8,280 (2) 8,410
(3) 8,820 (4) 8,000

(SSC CGL Tier-II Exam.
2014 12.04.2015 (Kolkata Region)
TF No. 789 TH 7)

7. A sum of money is paid back in two annual instalments of Rs. 17,640 each, allowing 5% compound interest compounded annually. The sum borrowed was

(1) Rs. 32,800 (2) Rs. 32,200
(3) Rs. 32,000 (4) Rs. 32,400

(SSC CGL Tier-II Exam,
25.10.2015, TF No. 1099685)

COMPOUND INTEREST

8. Mr. Dutta desired to deposit his retirement benefit of Rs. 3 lacs partly to a post office and partly to a bank at 10% and 6% interests respectively. If his monthly interest income was Rs. 2000, then the difference of his deposits in the post office and in the bank was :

(1) Rs. 50,000 (2) Rs. 40,000
(3) Nil (4) Rs. 1,00,000

(SSC CHSL (10+2) LDC, DEO & PA/SA Exam, 06.12.2015 (1st Sitting) TF No. 1375232)

9. The income of a company increases 20% per year. If the income is Rs. 26,64,000 in the year 2012, then its income in the year 2010 was :

(1) Rs. 28,55,000
(2) Rs. 18,50,000
(3) Rs. 28,20,000
(4) Rs. 21,20,000

(SSC CHSL (10+2) LDC, DEO & PA/SA Exam, 06.12.2015 (IInd Sitting) TF No. 3441135)

TYPE-VII

1. A person deposited a sum of ₹ 6,000 in a bank at 5% per annum simple interest. Another person deposited ₹ 5,000 at 8% per annum compound interest. After two years, the difference of their interests will be

(1) ₹ 230 (2) ₹ 232
(3) ₹ 832 (4) ₹ 600

(SSC CPO S.I. Exam. 03.09.2006)

2. A money-lender borrows money at 4% per annum and pays the interest at the end of the year. He lends it at 6% per annum compound interest compounded half yearly and receives the interest at the end of the year. In this way, he gains ₹ 104.50 a year. The amount of money he borrows, is

(1) ₹ 6,000 (2) ₹ 5,500
(3) ₹ 5,000 (4) ₹ 4,500

(SSC CGL Prelim Exam. 04.02.2007 (First Sitting))

3. A sum of ₹ 13,360 was borrowed at $8\frac{3}{4}\%$ per annum compound interest and paid back in two years in two equal annual instalments. What was the amount of each instalment ?

(1) ₹ 5,769 (2) ₹ 7,569
(3) ₹ 7,009 (4) ₹ 7,500

(SSC CGL Prelim Exam. 27.07.2008 (Second Sitting))

4. Sita deposited ₹ 5,000 at 10% simple interest for 2 years. How much more money will Sita have in her account at the end of two years, if it is compounded semi-annually.

(1) ₹ 50 (2) ₹ 40
(3) ₹ 77.50 (4) ₹ 85.50

(SSC Graduate Level Tier-II Exam. 16.09.2012)

5. What does ₹ 250 amounts to in 2 years with compound interest at the rate of 4% in the 1st year and 8% in the second year ?

(1) ₹ 280 (2) ₹ 280.80
(3) ₹ 468 (4) ₹ 290.80

(SSC Constable (GD) Exam. 12.05.2013 1st Sitting)

6. A man gave 50% of his savings of ₹ 84,100 to his wife and divided the remaining sum among his two sons A and B of 15 and 13 years of age respectively. He divided it in such a way that each of his sons, when they attain the age of 18 years, would receive the same amount at 5% compound interest per annum. The share of B was

(1) ₹ 20,000 (2) ₹ 20,050
(3) ₹ 22,000 (4) ₹ 22,050

(SSC CGL Tier-I Exam. 19.10.2014)

7. Find the rate percent per annum, if Rs. 2000 amounts to Rs. 2,315.25 in a year and a half, interest being compounded half yearly.

(1) 11.5% (2) 10%
(3) 5% (4) 20%

(SSC CAPFs SI, CISF ASI & Delhi Police SI Exam, 21.06.2015 (IInd Sitting))

8. A sum of money placed at compound interest doubles itself in 5 years. It will amount to eight times of itself at the same rate of interest in

(1) 20 years (2) 10 years
(3) 12 years (4) 15 years

(SSC CGL Tier-II Exam, 25.10.2015, TF No. 1099685)

9. The sum of money which when given on compound interest at 18% per annum would fetch Rs. 960 more when the interest is payable half yearly than when it was payable annually for 2 years is :

(1) Rs. 60,000 (2) Rs. 30,000
(3) Rs. 40,000 (4) Rs. 50,000

(SSC CHSL (10+2) LDC, DEO & PA/SA Exam, 15.11.2015 (1st Sitting) TF No. 6636838)

10. The amount on Rs. 25,000 in 2 years at annual compound interest, if the rates for the successive years be 4% and 5% per annum respectively is :

(1) Rs. 30,000 (2) Rs. 26,800
(3) Rs. 27,300 (4) Rs. 28,500

(SSC CHSL (10+2) LDC, DEO & PA/SA Exam, 15.11.2015 (1st Sitting) TF No. 6636838)

11. The amount of Rs. 10,000 after 2 years, compounded annually with the rate of interest being 10% per annum during the first year and 12% per annum during the second year, would be (in rupees)

(1) 11,320 (2) 12,000
(3) 12,320 (4) 12,500

(SSC CGL Tier-I (CBE)

Exam. 02.09.2016) (1st Sitting)

12. On a certain principal if the simple interest for two years is Rs. 1400 and compound interest for the two years is Rs. 1449, what is the rate of interest?

(1) 7 per cent (2) 3.5 per cent
(3) 14 per cent (4) 10.5 per cent

(SSC CHSL (10+2) Tier-I (CBE) Exam. 15.01.2017 (IInd Sitting))

13. A man borrowed some money and agreed to pay-off by paying Rs. 3150 at the end of the 1st year and Rs. 4410 at the end of the 2nd year. If the rate of compound interest is 5% per annum, then the sum is

(1) Rs. 5000 (2) Rs. 6500
(3) Rs. 7000 (4) Rs. 9200

(SSC CGL Tier-II (CBE) Exam. 12.01.2017)

14. Rs. 260200 is divided between Ram and Shyam so that the amount that Ram receives in 4 years is the same as that Shyam receives in 6 years. If the interest is compounded annually at the rate of 4% per annum then Ram's share is

(1) Rs. 125000 (2) Rs. 135200
(3) Rs. 152000 (4) Rs. 108200

(SSC CGL Tier-II (CBE) Exam. 12.01.2017)

15. B borrows ₹ 5,000 from A at 6% p.a. simple interest and lends it to C at compound interest of 10% p.a. If B collects the money back from C after 2 years and repays A, the profit made by B in the transaction is

(1) ₹ 1,050 (2) ₹ 500
(3) ₹ 450 (4) ₹ 600

(SSC Multi-Tasking Staff Exam. 30.04.2017)