Compound Interest

1. Find the compound interest (CI) on Rs. 12,600 for 2 years at 10% per annum compounded annually.

A) Rs. 2646

B) Rs. 2500

C) Rs. 2750

D) Rs. 2600

Answer: A) Rs. 2646

2. At what rate of compound interest per annum, a sum of Rs. 1200 becomes Rs. 1348.32 in 2 years?

A) 10%

B) 11%

C) 12%

D) 9%

Answer: B) 11%

3. The compound interest on a sum of 2000 for the first and second year is 220 and 244.20 respectively. What is the rate of interest per annum?

A) 9%

B) 11%

C) 12%

D) 10%

Answer: B) 11%

4. Find the compound interest on Rs. 7,600 at 5% per annum for 2 years, interest compounded annually.

A) Rs. 779

B) Rs. 780

C) Rs. 775

D) Rs. 785

Answer: A) Rs. 779

5. A sum becomes Rs. 15681.6 in 2 years when invested on compound interest (compounded annually). If rate of interest is 32% per annum, then what is the sum?

A) Rs. 10,000

B) Rs. 11,000

C) Rs. 12,000

D) Rs. 9,000

Answer: A) Rs. 10,000

6. A sum becomes 27 times in 3 years, compounded annually at a certain rate of interest. Calculate the annual interest rate.

A) 200%

B) 150%

C) 100%

D) 175%

Answer: A) 200%

7. Rs. 15,000 will amount to Rs. 19,965 in 15 months at ___ % per annum and the compound interest is calculated every 5 months.

A) 15%

B) 12%

C) 10%

D) 14%

Answer: A) 15%

8. A sum is invested at 10% interest compounded half-yearly for 18 months. If the amount payable on maturity is Rs. 83,349, what was the sum invested?

A) Rs. 72,000

B) Rs. 75,000

C) Rs. 70,000

D) Rs. 68,000

Answer: A) Rs. 72,000

9. Calculate the compound interest on Rs. 9,000 in 2 years when the rate of interest for the 1st and 2nd year are 10% and 12%, respectively.

A) Rs. 1,964

B) Rs. 1,900

C) Rs. 2,000

D) Rs. 1,950

Answer: A) Rs. 1,964

10. The CI on ₹10,000 for 2 years at rate 10% per annum compounded half-yearly is:

A) ₹2,154

B) ₹2,100

C) ₹2,200

D) ₹2,000

Answer: A) ₹2,154

11. If Rs. 12,000 amount to Rs. 17,280 in 2 years compounded annually, find the rate of interest.

A) 20%

B) 15%

C) 18%

D) 12%

Answer: A) 20%

12. A sum of Rs. 1,200 is invested at an annual rate of 8% compounded annually. What will be the amount after 3 years?

A) Rs. 1,518.34

B) Rs. 1,480

C) Rs. 1,500

D) Rs. 1,520

Answer: A) Rs. 1,518.34

13. Find the amount on Rs. 6,000 at 6% per annum compounded semi-annually for 2 years.

A) Rs. 6,740

B) Rs. 6,740.16

C) Rs. 6,600

D) Rs. 6,700

Answer: B) Rs. 6,740.16

14. If the compound interest on Rs. 8,000 for 1 year is Rs. 880, what is the rate of interest per annum?

A) 12%

B) 11%

C) 10%

D) 13%

Answer: A) 12%

15. The compound interest on a sum of Rs. 2,000 for 2 years at 10% interest compounded yearly is:

A) Rs. 420

B) Rs. 410

C) Rs. 400

D) Rs. 430

Answer: A) Rs. 420

16. Compute the compound interest on Rs. 7,500 for 3 years at 8% per annum compounded quarterly.

A) Rs. 1,997.53

B) Rs. 1,900

C) Rs. 1,980

D) Rs. 2,000

Answer: A) Rs. 1,997.53

17. Rs. 5,000 amounts to Rs. 6,161.50 in 3 years. What is the annual compound interest rate?

A) 7%

B) 8%

C) 6%

D) 7.5%

Answer: A) 7%

18. Calculate the amount on Rs. 10,000 at 10% per annum compounded half-yearly for 1 year.

A) Rs. 11,025

B) Rs. 11,060

C) Rs. 11,000

D) Rs. 11,100

Answer: B) Rs. 11,060

19. What will be the compound interest on Rs. 20,000 after 2 years compounded annually at 5% per annum?

A) Rs. 2,050

B) Rs. 2,000

C) Rs. 2,100

D) Rs. 2,200

Answer: A) Rs. 2,050

20. The compound interest on Rs. 9,000 for 4 years at 6% per annum compounded annually is:

A) Rs. 2,488.1

B) Rs. 2,400

C) Rs. 2,500

D) Rs. 2,350

Answer: A) Rs. 2,488.1

21. Find the compound interest on Rs. 15,000 for 3 years at 5% p.a. compounded yearly.

A) Rs. 2,362.88

B) Rs. 2,300

C) Rs. 2,350

D) Rs. 2,400

Answer: A) Rs. 2,362.88

22. Rs. 8,000 becomes Rs. 11,488 at compound interest in 3 years. Find the rate of interest.

A) 14%

B) 15%

C) 13%

D) 12%

Answer: A) 14%

23. The difference between compound interest and simple interest on Rs. 5,000 for 2 years at 8% per annum is:

A) Rs. 16

B) Rs. 17

C) Rs. 15

D) Rs. 18

Answer: A) Rs. 16

24. The compound interest on Rs. 6,000 for two years at 10% per annum compounded quarterly will be:

A) Rs. 1,260

B) Rs. 1,230

C) Rs. 1,250

D) Rs. 1,270

Answer: A) Rs. 1,260

25. Calculate the amount if Rs. 12,000 is invested at a compound interest rate of 15% per annum for 4 years.

A) Rs. 21,523.02

B) Rs. 21,500

C) Rs. 22,000

D) Rs. 22,523.02

Answer: A) Rs. 21,523.02

26. The compound interest on Rs. 8,000 for 2 years at 7.5% per annum compounded annually is:

A) Rs. 1,234

B) Rs. 1,200

C) Rs. 1,250

D) Rs. 1,220

Answer: A) Rs. 1,234

27. A sum of Rs. 5,000 amounts to Rs. 6,050 in 2 years at compound interest. Find the rate of interest per annum.

A) 10%

B) 8%

C) 9%

D) 7%

Answer: A) 10%

28. What is the compound interest on Rs. 6,000 after 3 years at the rate of 12% per annum, compounded annually?

A) Rs. 2,243.23

B) Rs. 2,200

C) Rs. 2,250

D) Rs. 2,300

Answer: A) Rs. 2,243.23

29. Calculate the compound interest on Rs. 10,000 at 12% per annum for 3 years, compounded quarterly.

A) Rs. 4,021.84

B) Rs. 4,000

C) Rs. 4,100

D) Rs. 4,050

Answer: A) Rs. 4,021.84

30. The amount accrued on Rs. 5,000 invested at 8% per annum for 2 years compounded annually is:

A) Rs. 5,832

B) Rs. 5,800

C) Rs. 5,825

D) Rs. 5,830

Answer: A) Rs. 5,832

31. A sum of money triples itself in 5 years under compound interest. Calculate the rate of interest.

A) 24.57%

B) 25%

C) 23%

D) 22%

Answer: A) 24.57%

32. The compound interest on Rs. 1,200 for 3 years at 6% per annum compounded annually is:

A) Rs. 229.93

B) Rs. 220

C) Rs. 230

D) Rs. 225

Answer: A) Rs. 229.93

33. Calculate the amount when Rs. 7,500 is invested at 5% per annum compounded half yearly for 2 years.

A) Rs. 8,137.88

B) Rs. 8,125

C) Rs. 8,130

D) Rs. 8,100

Answer: A) Rs. 8,137.88

34. Find the compound interest on Rs. 8,000 for 2 years at 10% per annum compounded half yearly.

A) Rs. 1,682.40

B) Rs. 1,650

C) Rs. 1,680

D) Rs. 1,700

Answer: A) Rs. 1,682.40

35. A sum of Rs. 9,000 amount to Rs. 10,890 in 2 years. Calculate the compound interest rate per annum.

A) 10%

B) 12%

C) 11%

D) 9%

Answer: A) 10%

36. Find the compound interest on Rs. 15,000 at 8% per annum for 3 years compounded annually.

A) Rs. 4,003.20

B) Rs. 4,000

C) Rs. 4,100

D) Rs. 4,050

Answer: A) Rs. 4,003.20

37. If Rs. 7,000 becomes Rs. 8,330.52 in 3 years, find the rate of compound interest.

A) 6%

B) 5%

C) 7%

D) 6.5%

Answer: A) 6%

38. Calculate the amount on Rs. 6,000 at 9% per annum compounded quarterly for 2 years.

A) Rs. 7,142.26

B) Rs. 7,100

C) Rs. 7,150

D) Rs. 7,130

Answer: A) Rs. 7,142.26

39. Calculate the compound interest on Rs. 4,000 for 3 years at 6% per annum compounded quarterly.

A) Rs. 795.14

B) Rs. 780

C) Rs. 790

D) Rs. 800

Answer: A) Rs. 795.14

40. Find the amount on Rs. 5,000 after 1.5 years at 6% per annum compounded monthly.

A) Rs. 5,465.09

B) Rs. 5,450

C) Rs. 5,460

D) Rs. 5,470

Answer: A) Rs. 5,465.09

41. Find the compound interest on Rs. 8,400 at 4% per annum for 2 years compounded annually.

A) Rs. 702.73

B) Rs. 700

C) Rs. 710

D) Rs. 720

Answer: A) Rs. 702.73

42. If Rs. 10,000 amount to Rs. 11,550.50 in 1 year, compounded monthly, find the rate of interest.

A) 15%

B) 14%

C) 13%

D) 12%

Answer: A) 15%

43. A sum of Rs. 12,000 is invested at 8% compound interest rate compounded monthly. What will be the amount after 3 years?

A) Rs. 15,116

B) Rs. 15,110

C) Rs. 15,100

D) Rs. 15,120

Answer: A) Rs. 15,116

44. The compound interest on Rs. 7,500 at 10% per annum compounded quarterly for 3 years is:

A) Rs. 2,581.14

B) Rs. 2,580

C) Rs. 2,575

D) Rs. 2,590

Answer: A) Rs. 2,581.14

45. Calculate the compound interest on Rs. 20,000 at 9% compounded annually for 4 years.

A) Rs. 8,527.16

B) Rs. 8,500

C) Rs. 8,600

D) Rs. 8,550

Answer: A) Rs. 8,527.16

46. Rs. 7,500 is invested at compound interest at 8% per annum compounded half yearly. Calculate the amount after 2.5 years.

A) Rs. 8,269.08

B) Rs. 8,260

C) Rs. 8,280

D) Rs. 8,250

Answer: A) Rs. 8,269.08

47. Find the compound interest on Rs. 5,600 for 1.5 years at 6% per annum compounded quarterly.

A) Rs. 536.75

B) Rs. 530

C) Rs. 540

D) Rs. 535

Answer: A) Rs. 536.75

48. The amount on Rs. 6,500 at 7% per annum compounded annually for 3 years is:

A) Rs. 7,954.68

B) Rs. 7,950

C) Rs. 7,960

D) Rs. 7,940

Answer: A) Rs. 7,954.68

49. Calculate the compound interest on Rs. 8,000 at the rate of 10% for 3 years compounded annually.

A) Rs. 2,652

B) Rs. 2,600

C) Rs. 2,650

D) Rs. 2,640

Answer: A) Rs. 2,652

50. A sum of Rs. 15,000 is invested at compound interest at 12% per annum compounded annually. Find the amount after 2 years.

A) Rs. 18,720

B) Rs. 18,600

C) Rs. 18,700

D) Rs. 18,750

Answer: A) Rs. 18,720

51. What is the compound interest on Rs. 7,200 for 2 years at 9% per annum compounded annually?

A) Rs. 1,344.24

B) Rs. 1,330

C) Rs. 1,335

D) Rs. 1,320

Answer: A) Rs. 1,344.24

52. Calculate the amount on Rs. 9,000 at 6% p.a. compounded half yearly for 3 years.

A) Rs. 10,752.54

B) Rs. 10,700

C) Rs. 10,750

D) Rs. 10,720

Answer: A) Rs. 10,752.54

53. If Rs. 10,000 amounts to Rs. 11,664.64 in 2 years at compound interest, find the rate of interest compounded half yearly.

A) 8%

B) 7%

C) 9%

D) 10%

Answer: A) 8%

54. Rs. 6,000 invested at 8% p.a. compounded quarterly will amount to what after 3 years?

A) Rs. 7,530

B) Rs. 7,500

C) Rs. 7,520

D) Rs. 7,510

Answer: A) Rs. 7,530

55. Rs. 20,000 is invested at 9% compound interest for 4 years. What is the amount at the end of the period?

A) Rs. 27,274.30

B) Rs. 27,200

C) Rs. 27,300

D) Rs. 27,200

Answer: A) Rs. 27,274.30

56. The compound interest on Rs. 15,000 for 1 year at 10% compounded half yearly is:

A) Rs. 1,512.50

B) Rs. 1,500

C) Rs. 1,510

D) Rs. 1,520

Answer: A) Rs. 1,512.50

57. Calculate the compound interest on Rs. 25,000 at 12% compounded annually for 3 years.

A) Rs. 10,080

B) Rs. 9,900

C) Rs. 10,000

D) Rs. 10,100

Answer: A) Rs. 10,080

58. Find the sum if the compound interest on it for 3 years at 10% p.a. compounded annually is Rs. 3,310.

A) Rs. 10,000

B) Rs. 9,000

C) Rs. 10,200

D) Rs. 9,500

Answer: A) Rs. 10,000

59. Calculate the compound interest on Rs. 18,000 for 5 years at 6% per annum compounded annually.

A) Rs. 5,725.59

B) Rs. 5,700

C) Rs. 5,750

D) Rs. 5,720

Answer: A) Rs. 5,725.59

60. Rs. 4,500 is invested at 10% compound interest compounded yearly. After 2 years the amount will be:

A) Rs. 5,445

B) Rs. 5,400

C) Rs. 5,420

D) Rs. 5,440

Answer: A) Rs. 5,445

61. What will be the compound interest on Rs. 6,000 for 3 years at an interest rate of 5% compounded half yearly?

A) Rs. 981.52

B) Rs. 980

C) Rs. 990

D) Rs. 995

Answer: A) Rs. 981.52

62. The amount that Rs. 5,000 will amount to in 3 years at 8% interest compounded annually is:

A) Rs. 6,299.84

B) Rs. 6,300

C) Rs. 6,200

D) Rs. 6,250

Answer: A) Rs. 6,299.84

63. A sum doubles itself in 5 years at compound interest. The rate of interest per annum is:

A) 14.87%

B) 12%

C) 15%

D) 10%

Answer: A) 14.87%

64. The compound interest on Rs. 7,000 for 2 years at 10% per annum compounded semiannually:

A) Rs. 1,462.50

B) Rs. 1,460

C) Rs. 1,470

D) Rs. 1,475

Answer: A) Rs. 1,462.50

65. The compound interest on Rs. 4,000 for 3 years at the rate of 7.5% per annum compounded yearly is:

A) Rs. 985.26

B) Rs. 980

C) Rs. 990

D) Rs. 975

Answer: A) Rs. 985.26

66. Find the amount when Rs. 8000 is invested for 3 years at 9% compound interest.

A) Rs. 10,385.68

B) Rs. 10,400

C) Rs. 10,350

D) Rs. 10,320

Answer: A) Rs. 10,385.68

67. Rs. 25,000 is invested at 6% p.a. compounded half yearly. Calculate the amount after 5 years.

A) Rs. 33,661.22

B) Rs. 33,600

C) Rs. 33,700

D) Rs. 33,650

Answer: A) Rs. 33,661.22

68. Calculate compound interest on Rs. 5,200 for 4 years at 11% per annum compounded annually.

A) Rs. 2,571.94

B) Rs. 2,500

C) Rs. 2,580

D) Rs. 2,560

Answer: A) Rs. 2,571.94

69. Calculate the compound interest on Rs. 8,000 for 3 years at 10% p.a. compounded yearly.

A) Rs. 2,648

B) Rs. 2,600

C) Rs. 2,650

D) Rs. 2,620

Answer: A) Rs. 2,648

70. The amount on Rs. 6,500 at 12% per annum compounded half yearly for 2 years is:

A) Rs. 8,152.12

B) Rs. 8,150

C) Rs. 8,100

D) Rs. 8,120

Answer: A) Rs. 8,152.12

71. Compound interest on Rs. 9,000 for 2 years at 10% per annum compounded quarterly:

A) Rs. 1,882.97

B) Rs. 1,880

C) Rs. 1,885

D) Rs. 1,890

Answer: A) Rs. 1,882.97

72. Find compound interest on Rs. 7,000 for 2 years at 12% compounded yearly.

A) Rs. 1,766.40

B) Rs. 1,760

C) Rs. 1,770

D) Rs. 1,775

Answer: A) Rs. 1,766.40

73. Calculate the amount on Rs. 5,000 after 4 years at 6% per annum compounded half yearly.

A) Rs. 6,329.72

B) Rs. 6,300

C) Rs. 6,350

D) Rs. 6,320

Answer: A) Rs. 6,329.72

74. Compound interest on Rs. 12,000 for 3 years at 10% per annum compounded yearly is:

A) Rs. 3,972

B) Rs. 3,900

C) Rs. 4,000

D) Rs. 3,950

Answer: A) Rs. 3,972

75. Rs. 6,500 invested for 3 years at 8% compound interest compounded yearly will amount to:

A) Rs. 8,119.68

B) Rs. 8,100

C) Rs. 8,120

D) Rs. 8,130

Answer: A) Rs. 8,119.68

76. Calculate compound interest on Rs. 8,000 for 5 years at 7% compounded half yearly.

A) Rs. 3,096.65

B) Rs. 3,000

C) Rs. 3,100

D) Rs. 3,050

Answer: A) Rs. 3,096.65

77. The compound interest on Rs. 10,000 for 4 years at 9% compounded annually is:

A) Rs. 3,652.10

B) Rs. 3,600

C) Rs. 3,650

D) Rs. 3,700

Answer: A) Rs. 3,652.10

78. Calculate the amount on Rs. 4,500 after 2 years at 7% compound interest compounded quarterly.

A) Rs. 5,183.54

B) Rs. 5,170

C) Rs. 5,180

D) Rs. 5,190

Answer: A) Rs. 5,183.54

79. What will be the amount on Rs. 7,000 after 5 years if the rate of interest is 6% compounded half yearly?

A) Rs. 9,380.71

B) Rs. 9,300

C) Rs. 9,350

D) Rs. 9,400

Answer: A) Rs. 9,380.71

80. Rs. 25,000 is invested at 8% per annum compounded quarterly for 3 years. What is the amount?

A) Rs. 31,991.20

B) Rs. 31,500

C) Rs. 31,900

D) Rs. 32,000

Answer: A) Rs. 31,991.20

81. Find the compound interest on Rs. 6,500 for 1 year at 10% compounded half yearly.

A) Rs. 650.62

B) Rs. 650

C) Rs. 655

D) Rs. 645

Answer: A) Rs. 650.62

82. Calculate compound interest on Rs. 8,000 for 3 years at 5% per annum compounded yearly.

A) Rs. 1,260

B) Rs. 1,240

C) Rs. 1,250

D) Rs. 1,270

Answer: A) Rs. 1,260

83. A sum of Rs. 4,000 becomes Rs. 4,580.80 in 2 years. Find the rate of compound interest.

A) 7%

B) 6%

C) 8%

D) 9%

Answer: A) 7%

84. Calculate the amount on Rs. 5,000 at 12% per annum compounded quarterly for 2 years.

A) Rs. 6,244.53

B) Rs. 6,200

C) Rs. 6,240

D) Rs. 6,250

Answer: A) Rs. 6,244.53

85. Find the compound interest on Rs. 7,500 at 9% for 4 years compounded annually.

A) Rs. 2,918.39

B) Rs. 2,900

C) Rs. 2,920

D) Rs. 2,910

Answer: A) Rs. 2,918.39

86. Rs. 10,000 is invested at compound interest for 6 years at 5% p.a. compounded yearly. What is the amount?

A) Rs. 13,382.26

B) Rs. 13,300

C) Rs. 13,350

D) Rs. 13,400

Answer: A) Rs. 13,382.26

87. Calculate the compound interest on Rs. 7,000 for 1 year at 15% p.a compounded monthly.

A) Rs. 1,099.68

B) Rs. 1,100

C) Rs. 1,090

D) Rs. 1,095

Answer: A) Rs. 1,099.68

88. What is the amount when a sum of Rs. 8,000 attracts compound interest at 8% per annum for 3 years?

A) Rs. 10,097.42

B) Rs. 10,100

C) Rs. 10,000

D) Rs. 10,050

Answer: A) Rs. 10,097.42

89. Determine the compound interest on Rs. 5,000 at 7% per annum for 5 years.

A) Rs. 1,930.68

B) Rs. 1,900

C) Rs. 1,920

D) Rs. 1,940

Answer: A) Rs. 1,930.68

90. Find the compound interest on Rs. 9,000 at 11% per annum compounded yearly for 1 year.

A) Rs. 990

B) Rs. 980

C) Rs. 1,000

D) Rs. 1,010

Answer: A) Rs. 990

91. Calculate the amount if Rs. 10,000 is invested at 6% interest compounded quarterly for 2 years.

A) Rs. 11,271.89

B) Rs. 11,200

C) Rs. 11,250

D) Rs. 11,300

Answer: A) Rs. 11,271.89

92. Calculate compound interest on Rs. 3,500 for 3 years at the interest rate of 8% compounded annually.

A) Rs. 907.80

B) Rs. 900

C) Rs. 910

D) Rs. 920

Answer: A) Rs. 907.80

93. Calculate compound interest on Rs. 4,000 for 2 years at 5% compounded half yearly.

A) Rs. 410.25

B) Rs. 400

C) Rs. 420

D) Rs. 415

Answer: A) Rs. 410.25

94. A sum of Rs. 6,000 amounts to Rs. 7,000 in 2 years at compound interest. Find the rate of interest per annum.

A) 8.01%

B) 7.5%

C) 8%

D) 9%

Answer: A) 8.01%

95. Calculate compound interest on Rs. 7,000 compounded yearly at 13% per annum for 2 years.

A) Rs. 1,822.10

B) Rs. 1,800

C) Rs. 1,820

D) Rs. 1,830

Answer: A) Rs. 1,822.10

96. Find the compound interest on Rs. 8,000 at 10% per annum compounded half yearly for 3 years.

A) Rs. 2,763.48

B) Rs. 2,700

C) Rs. 2,760

D) Rs. 2,770

Answer: A) Rs. 2,763.48

97. Rs. 9,000 invested at 5% p.a compounded yearly for 4 years will amount to:

A) Rs. 10,252.56

B) Rs. 10,250

C) Rs. 10,200

D) Rs. 10,300

Answer: A) Rs. 10,252.56

98. What is the compound interest on Rs. 8,000 for 3 years at 7% per annum compounded annually?

A) Rs. 1,792.96

B) Rs. 1,800

C) Rs. 1,790

D) Rs. 1,785

Answer: A) Rs. 1,792.96

99. Calculate the amount on Rs. 5,000 after 3 years at 6% compound interest compounded yearly.

A) Rs. 5,954.56

B) Rs. 5,950

C) Rs. 5,960

D) Rs. 5,955

Answer: A) Rs. 5,954.56

100. Find the compound interest on Rs. 2,500 for 4 years at 9% compounded half yearly.

A) Rs. 1,023.10

B) Rs. 1,000

C) Rs. 1,020

D) Rs. 1,025

Answer: A) Rs. 1,023.10