COMPOUND INTEREST

1. Raviraj invested an amount of ₹ 10,000 at compound interest rate of 10 per cent per annum for a period of three years. How much amount will Raviraj get after 3 years?
   (1) ₹ 12340 (2) ₹ 13210 (3) ₹ 13320
   (4) ₹ 13310 (5) None of these
2. Seema invested an amount of ₹ 16000 for two years at compound interest and received an amount of ₹ 17640 on maturity. What is the rate of interest?
   (1) 8 pcpa (2) 5 pcpa (3) 4 pcpa
   (4) 3 pcpa (5) None of these
3. Find the amount of ₹ 1000 in 1 year at 5 per cent compound interest payable half yearly.
   (1) ₹ 1050 (Approx) (2) ₹ 950 (Approx)
   (3) ₹ 1125 (Approx) (4) ₹ 1025 (Approx)
   (5) None of these
4. Find the amount of ₹ 6400 in year 6 months at 5 per cent compound interest, interest being calculated half yearly.
   (1) ₹ 6882.10 (2) ₹ 6892.10 (3) ₹ 6982.10
   (4) ₹ 7282.05 (5) None of these
5. Find the compound interest on ₹ 10000 in 9 months at 4 per cent interest payable quarterly.
   (1) ₹ 303 (Approx) (2) ₹ 313 (Approx)
   (3) ₹ 20 (Approx) (4) ₹ 204 (Approx)
   (5) None of these
6. Find the compound interest on ₹ 8000 in 3 months at 5 per cent interest payable quarterly.
   (1) ₹ 250 (2) ₹ 200 (3) ₹ 150
   (4) ₹ 100 (5) None of these
7. What principal will amount of ₹ 1352 in 2 years at 4 per cent compound interest?
   (1) ₹ 1520 (2) ₹ 1260 (3) ₹ 1250
   (4) ₹ 1220 (5) None of these
8. On what principal will the compound interest for 3 years at 5 per cent amount to ₹ 63.05?
   (1) ₹ 400 (2) ₹ 500 (3) ₹ 450
   (4) ₹ 550 (5) None of these
9. ₹ 50000 is borrowed at CI at the rate of 1% for the first year, 2% for the second year and 3% for the third year. Find the amount to be paid after 3 years.
   (1) ₹ 50355.3 (2) ₹ 53055.3 (3) ₹ 53505.3
   (4) ₹ 53053.5 (5) None of these
10. ₹ 125000 is borrowed at CI at the rate of 2% for the first year, 3% for the second year and 4% for the third year. Find the amount to be paid after 3 years.
    (1) ₹ 135678 (2) ₹ 136587 (3) ₹ 163578
    (4) ₹ 136578 (5) None of these
11. At what rate per cent compound interest, will ₹ 400 amount to ₹ 441 in 2 years?
    (1) 4% (2) 5% (3) 6%
    (4) 3% (5) None of these
12. At what rate per cent compound interest will ₹ 625 amount to ₹ 676 in 2 years?
    (1) 3% (2) ₹ 2% (3) 4%
    (4) 5% (5) None of these
13. On what sum will the amount for 2.5 years at 10% becomes ₹ 6352.50?
    (1) ₹ 4900 (2) ₹ 5500 (3) ₹ 5000
    (4) ₹ 5800 (5) None of these
14. Find the amount of ₹ 4000 for 2.5 years at 6% compound interest.
    (1) ₹ 4629.23 (2) ₹ 4692.32 (3) ₹ 4639.32
    (4) ₹ 4682.32 (5) None of these
15. A sum of money placed at compound interest doubles itself in 16 years. In how many years will it amount to 60 times itself?
    (1) 24 years (2) 26 years (3) 22 years
    (4) 20 years (5) None of these
16. A sum of money placed at compound interest thrice itself in 4 years. In how many years will it amount to 27 times itself?
    (1) 12 years (2) 15 years (3) 14 years
    (4) 10 years (5) None of these
17. If a sum of money at compound interest amounts to thrice itself in 3 years, then in how many years will it be 9 times itself?
    (1) 12 years (2) 6 years (3) 9 years
    (4) 15 years (5) None of these
18. At what rate per cent will the compound interest, does a sum of money become four fold in 2 years?
    (1) 150% (2) 100% (3) 200%
    (4) 75% (5) None of these
19. At what rate per cent will the compound interest, does a sum of money become 27 times in 3 years?
    (1) 100% (2) 150% (3) 75%
    (4) 200% (5) None of these

20. If the CI on a certain sum for 2 years at 4% be ₹ 510, what would be the SI?
(1) ₹ 500 (2) ₹ 505 (3) ₹ 400
(4) ₹ 475 (5) None of these

21. If the CI on a certain sum for 2 years at 6% be ₹ 25.75, what would be the SI?
(1) ₹ 25 (2) ₹ 24 (3) ₹ 20
(4) ₹ 15 (5) None of these

22. The simple interest on a certain sum of money for 2 years at 5% per annum is ₹ 100. Find the compound interest at the same rate and for the same time.
(1) ₹ 102.50 (2) ₹ 103 (3) ₹ 103.50
(4) ₹ 102.25 (5) None of these

23. The simple interest on a certain sum of money for 2 years at 6% per annum is ₹ 300. Find the compound interest at the same rate and for the same time.
(1) ₹ 310 (2) ₹ 308 (3) ₹ 307
(4) ₹ 309 (5) None of these

24. The compound interest on a certain sum for 2 years is ₹ 105 and simple interest is ₹ 100. Find the rate of interest per annum and the sum.
(1) 10%, ₹ 500 (2) 10%, ₹ 1000
(3) 20%, ₹ 1000 (4) 4%, ₹ 1500
(5) None of these

25. The compound interest on a certain sum for 2 years is ₹ 60.60 and simple interest is ₹ 60. Find the rate of interest per annum and the sum.
(1) 2%, ₹ 1600 (2) 2%, ₹ 1400
(3) 3%, ₹ 1500 (4) 2%, ₹ 1500
(5) None of these

26. On a certain sum of money, the simple interest for 2 years in ₹ 150 at the rate of 3% per annum. Find the difference in CI and SI.
(1) ₹ 5 (2) ₹ 4.5 (3) ₹ 2.5
(4) ₹ 2.25 (5) None of these

27. On a certain sum of money, the simple interest for 2 years in ₹ 200 at the rate of 7% per annum. Find the difference in CI and SI.
(1) ₹ 7 (2) ₹ 6 (3) ₹ 3.5
(4) ₹ 45 (5) None of these

28. The difference between the compound interest and the simple interest on a certain sum of money at 10% per annum for 2 years is ₹ 2.50. Find the sum.
(1) ₹ 350 (2) ₹ 275 (3) ₹ 250
(4) ₹ 325 (5) None of these

29. The difference between the compound interest and the simple interest on a certain sum of money at 4% per annum for 2 years is ₹ 1.40. Find the sum.
(1) ₹ 875 (2) ₹ 857 (3) ₹ 785
(4) ₹ 925 (5) None of these

30. Find the difference between the compound interest and the simple interest for the sum ₹ 625 at 8% per annum for 2 years.
(1) ₹ 3 (2) ₹ 4 (3) ₹ 4.5
(4) ₹ 1.5 (5) None of these

31. Find the difference between the compound interest and the simple interest for the sum ₹ 2500 at 6% per annum for 2 years.
(1) ₹ 9 (2) ₹ 8 (3) ₹ 7.5
(4) ₹ 6 (5) None of these

32. On what sum will the difference between the simple and compound interests for 3 years at 5 per cent per annum amount to ₹ 12.20?
(1) ₹ 1600 (2) ₹ 800 (3) ₹ 1200
(4) ₹ 1500 (5) None of these

33. On what sum will the difference between the simple and compound interests for 3 years at 4 per cent per annum amount to ₹ 3.04?
(1) ₹ 1250 (2) ₹ 625 (3) ₹ 650
(4) ₹ 675 (5) None of these

34. Find the difference between the simple and compound interest on ₹ 10000 for 3 years at 3 per cent.
(1) ₹ 27.8 (2) ₹ 27.27 (3) ₹ 37.27
(4) ₹ 37.8 (5) None of these

35. Find the difference between the simple and compound interest on ₹ 8000 for 3 years at 5 per cent.
(1) ₹ 61 (2) ₹ 60 (3) ₹ 51
(4) ₹ 59 (5) None of these

36. A certain amount of money at compound interest grows upto ₹ 7520 in 15 years and upto ₹ 7896 in 16 years. Find the rate per cent per annum.
(1) 10% (2) 8% (3) 5%
(4) 6.5% (5) None of these

37. A certain amount of money at compound interest grows upto ₹ 3840 in 4 years and upto ₹ 3936 in 5 years. Find the rate per cent per annum.
(1) 2.05% (2) 2.5% (3) 2%
(4) 3.5% (5) None of these

38. What 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?
(1) ₹ 625 (2) ₹ 630 (3) ₹ 620
(4) ₹ 720 (5) None of these

39. What sum of money at compound interest will amount to ₹ 480 at the end of the first year and ₹ 576 at the end of the second year?
(1) ₹ 420 (2) ₹ 450 (3) ₹ 400
(4) ₹ 375 (5) None of these

40. Find the ratio of CI to SI on a certain sum at 5% per annum for 2 years.
(1) 41 : 40 (2) 42 : 41 (3) 43 : 40
(4) 41 : 35 (5) None of these

41. Find the ratio of CI to SI on a certain sum at 8% per annum for 2 years.
(1) 27 : 26 (2) 26 : 25 (3) 26 : 21
(4) 25 : 24 (5) None of these

42. ₹ 2400 becomes ₹ 3000 in 3 years at a certain rate of compound interest. What will be the sum after 6 years?
(1) ₹ 4750 (2) ₹ 3750 (3) ₹ 3570
(4) ₹ 3850 (5) None of these

43. ₹ 1200 becomes ₹ 1500 in 2 years at a certain rate of compound interest. What will be the sum after 6 years?
(1) ₹ 2433.25 (2) ₹ 2334.75 (3) ₹ 2343.75
(4) ₹ 2343.25 (5) None of these

44. Find the compound interest on ₹ 9375 in 2 years, the rate of interest being 2% for the first year and 4% for the second year.
(1) ₹ 570 (2) ₹ 1140 (3) ₹ 1155
(4) ₹ 670 (5) None of these

45. Find the compound interest on ₹ 8000 in 2 years, the rate of interest being 5% for the first year and 10% for the second year.
(1) ₹ 1340 (2) ₹ 1420 (3) ₹ 1240
(4) ₹ 1350 (5) None of these

46. What sum of money at compound interest will amount to ₹ 562.38 in 3 years, if the rate of interest is 3% for the first year, 4% for the second year and 5% for the third year?
(1) ₹ 400 (2) ₹ 450 (3) ₹ 500
(4) ₹ 520 (5) None of these

47. What sum of money at compound interest will amount to ₹ 2893.8 in 3 years, if the rate of interest is 4% for the first year, 5% for the second year and 6% for the third year?
(1) ₹ 2500 (2) ₹ 2400 (3) ₹ 2200
(4) ₹ 2250 (5) None of these

48. A man borrows ₹ 4000 at 20% compound rate of interest. At the end of each year he pays back ₹ 1500. How much amount should he pay at the end of the third year to clear all his dues?
(1) ₹ 2592 (2) ₹ 2852 (3) ₹ 2952
(4) ₹ 2953 (5) None of these

49. A man borrows ₹ 3000 at 30% compound rate of interest. At the end of each year he pays back ₹ 1000. How much amount should he pay at the end of the third year to clear all his dues?
(1) ₹ 3602 (2) ₹ 3601 (3) ₹ 3603
(4) 3604 (5) None of these

50. Divide ₹ 2708 between A and B, so that A's share at the end of 6 years may equal B's share at the end of 8 years, compound interest being at 8%.
(1) ₹ 1458, ₹ 1250 (2) ₹ 1448, ₹ 1260
(3) ₹ 1438, ₹ 1270 (4) ₹ 1468, ₹ 1240
(5) None of these

51. Divide ₹ 1105 between A and B, so that A's share at the end of 5 years may equal B's share at the end of 7 years, compound interest being at 10%.
(1) ₹ 505, ₹ 600 (2) ₹ 605, ₹ 500
(3) ₹ 705, ₹ 400 (4) ₹ 625, ₹ 480
(5) None of these

52. Divide ₹ 6100 between A and B, so that A's share at the end of 3 years may equal B's share at the end of 5 years, compound interest being at 20%.
(1) ₹ 3600, ₹ 2500 (2) ₹ 3500, ₹ 2600
(3) ₹ 3400, ₹ 2700 (4) ₹ 3450, ₹ 2650
(5) None of these

53. The difference between the simple and the compound interest compounded every six months at the rate of 10 per cent per annum at the end of two years is ₹ 124.05. What is the sum?
(1) ₹ 10000 (2) ₹ 6000 (3) ₹ 12000
(4) ₹ 8000 (5) None of these

54. A person invested a certain amount at simple interest at the rate of 6 per cent per annum earning ₹ 900 as an interest at the end of three years. Had the interest been compounded every year, how much more interest would he have earned on the same amount with the same interest rate after three years?
(1) ₹ 38.13 (2) ₹ 25.33 (3) ₹ 55.08
(4) ₹ 35.30 (5) None of these

COMPOUND INTEREST

1. (4)	**2.** (2)	**3.** (1)	**4.** (2)	**5.** (1)	**6.** (4)	**7.** (3)	**8.** (1)	**9.** (2)	**10.** (4)
11. (2)	**12.** (3)	**13.** (3)	**14.** (1)	**15.** (1)	**16.** (1)	**17.** (2)	**18.** (2)	**19.** (4)	**20.** (1)
21. (1)	**22.** (1)	**23.** (4)	**24.** (1)	**25.** (4)	**26.** (4)	**27.** (1)	**28.** (3)	**29.** (1)	**30.** (2)
31. (1)	**32.** (1)	**33.** (2)	**34.** (2)	**35.** (1)	**36.** (3)	**37.** (2)	**38.** (1)	**39.** (3)	**40.** (1)
41. (2)	**42.** (2)	**43.** (3)	**44.** (1)	**45.** (3)	**46.** (3)	**47.** (1)	**48.** (3)	**49.** (2)	**50.** (1)
51. (2)	**52.** (1)	**53.** (4)	**54.** (3)						