1. What is the difference between the compound interests on Rs. 5000 for $1\frac{1}{2}$ years at 4% per annum compounded yearly and half-yearly?

A. Rs. 2.04 B. Rs. 4.80

C. Rs. 3.06 D. Rs. 8.30

Answer : Option A

2. A bank offers 5% compound interest calculated on half-yearly basis. A customer deposits Rs. 1600 each on 1st January and 1st July of a year. At the end of the year, the amount he would have gained by way of interest is:

A. Rs. 120 B. Rs. 121

C. Rs. 123 D. Rs. 122

Answer : Option B

3. There is 80% increase in an amount in 8 years at simple interest. What will be the compound interest of Rs. 14,000 after 3 years at the same rate?

A. Rs.3794 B. Rs.3714

C. Rs.4612 D. Rs.4634

Answer : Option D

4. The compound interest on Rs. 30,000 at 7% per annum is Rs. 4347. The period (in years) is:

A. 1 B. 2

C. 3 D. 3.5

Answer : Option B

5. 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 is:

A. Rs.600 B. Rs.645

C. Rs.525 D. Rs.625

6. The difference between compound interest and simple interest on an amount of Rs. 15,000 for 2 years is Rs. 96. What is the rate of interest per annum?

A. 9% B. 12%

C. 8% D. 6%

Answer : Option C

7. If the simple interest on a sum of money for 2 years at 5% per annum is Rs. 60, what is the compound interest on the same at the same rate and for the same time?

A. Rs. 63.5 B. Rs. 62

C. Rs. 61.5 D. Rs. 64

Answer : Option C

8. The difference between simple interest and compound on Rs. 900 for one year at 10% per annum reckoned half-yearly is:

A. Rs. 3 B. Rs. 2.25

C. Rs. 4.5 D. Rs. 4

Answer : Option B

9. What will be the compound interest on a sum of Rs. 40,000 after 3 years at the rate of 11 p.c.p.a.?

A. Rs. 14705.24 B. Rs. 14602.25

C. Rs. 14822.26 D. Rs. 14322.10

Answer : Option A

10. At what rate of compound interest per annum will a sum of Rs. 1400 become Rs. 1573.04 in 2 years?

A. 4% B. 5%

C. 6%

Answer : Option C D. 8%

11. 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. 5 B. 4

C. 4 D. 2

Answer : Option B

12. The effective annual rate of interest corresponding to a nominal rate of 6% per annum payable half-yearly is:

A. 6.07% B. 6.08%

C. 6.06% D. 6.09%

Answer : Option D

13. Arun invested an amount of Rs. 20000 in a fixed deposit scheme for 2 years at compound interest rate 4 p.c.p.a. How much amount will Arun get on maturity of the fixed deposit?

A. 20342 B. 21632

C. 22324 D. 24120

Answer : Option B

14. Simple interest on a certain sum of money for 4 years at 5% per annum is half the compound interest on Rs. 3000 for 2 years at 10% per annum. The

sum placed on simple interest is:

A. Rs.1575 B. Rs. 2200
C. Rs. 1200 D. Rs. 1625

Answer : Option A

15. 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. 500 B. Rs. 400
C. Rs. 450 D. Rs. 60
Answer : Option A

16. The difference between simple interest and compound on Rs. 2400 for one year at 10% per annum reckoned half-yearly is:
A. Rs. 4 B. Rs. 6
C. Rs. 3 D. Rs. 2
Answer : Option B

17. The Simple interest on a certain sum for 2 years at 20% per annum is Rs. 80. The corresponding compound interest is
A. Rs. 66 B. Rs. 82
C. Rs. 86 D. Rs. 88
Answer : Option D

18. The Compound interest on Rs. 20,480 at 6 $^{1}/_{4}$ % per annum for 2 years 73 days, is :
A. Rs. 2929 B. Rs. 2219
C. Rs. 3021 D. Rs. 3049
Answer : Option A

19. A sum amounts to Rs. 882 in 2 years at 5% compound interest. The sum is
A. Rs. 800 B. Rs. 822
C. Rs. 840 D. Rs. 816
Answer : Option A

20. A sum put out at 4% compound interest payable half-yearly amounts to Rs. 13265.10 in $1^{1}/_{2}$ years. The sum is
A. Rs. 12500 B. Rs. 11200
C. Rs. 8840 D. Rs. 12600

Answer : Option A

21. 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.1820
B. Rs.1640
C. Rs.1260
D. Rs.1440

Answer : Option B

22. What sum invested for 2 years at 14% compounded annually will grow to Rs. 5458.32?

A. 4120
B. 3300
C. 4200
D. 4420

Answer : Option C

23. If the difference between the simple interest and compound interests on some principal amount at 20% for 3 years is Rs. 48, then the principal amount is

A. Rs. 365
B. Rs. 325
C. Rs. 395
D. Rs. 375

Answer : Option D

24. Andrews earns an interest of Rs. 1596 for the third year and Rs. 1400 for the second year on the same sum. Find the rate of interest if it is lent at compound interest.

A. 12%
B. 13%
C. 14%
D. 15%

Answer : Option C

25. The population of a town is 40,000. It decreases by 20 per thousand per year. Find out the population after 2 years.

A. 38484
B. 38266
C. 38416
D. 38226

26. If the compound interest on a certain sum for 2 years in Rs. 80.80 and the simple interest Rs. 80; then the rate of interest per annum is

A. 2%
B. 1%
C. 3%
D. 4%

Answer : Option A

27. The compound interest on a sum for 2 years is Rs. 832 and the simple interest on the same sum for the same period is Rs. 800. The difference between the compound and simple interest for 3 years will be

A. Rs. 48
B. Rs. 66.56
C. None of these
D. Rs. 98.56

Answer : Option D

28. On a certain sum of money, the simple interest for 2 years is Rs. 200 at the rate of 7% per annum. Find the difference in C.I. and S.I.

A. None of these
B. Rs. 9
C. Rs. 7
D. Rs. 11

Answer : Option C

29. John invested money in two schemes A and B offering compound interest @ 5 p.c.p.a. and 10 p.c.p.a. respectively. If the total amount of interest accrued through two schemes together in two years was Rs. 2075 and the total amount invested was Rs. 15,000, find out the amount invested in Scheme A?

A. Rs. 10000
B. Rs. 8000
C. Rs. 12000
D. Rs. 14000

Answer : Option A

30. A sum of money on compound interest amounts to Rs. 8240 in 2 years and Rs. 9888 in 3 years. The rate of interest is

A. 10%
B. 25%
C. 20%
D. 12%

Answer : Option C

31. A tree increases annually by $^{1}/_{5}^{th}$ of its height. If its height today is 50 cm, what will be the height after 2 years?

A. 64 cm
B. 72 cm
C. 66 cm
D. 84 cm

Answer : Option B

32. On a sum of money, the simple interest for 2 years is Rs. 320, while the compound interest is Rs. 340, the rate of interest being the same in both the cases. The rate of interest is:

A. 15%
B. 14.25%
C. 12.5%
D. 10.5%

Answer : Option C

33. A bank offers 10% interest rate compounded annually. A person deposits Rs. 20,000 every year in his account. If he does not withdraw any amount, then how much balance will his account show after four years?

A. Rs. 102102
B. Rs. 102220
C. Rs. 104202
D. Rs. 104222

Answer : Option A

34. A sum of money becomes Rs. 2200 after three years and Rs. 4400 after six

years on compound interest. The sum is

A. Rs. 1400 B. Rs. 1100

C. Rs. 1000 D. Rs. 1200

Answer : Option B

35. What annual payment will discharge a debt of Rs. 1025 due in 2 years at the rate of 5% compound interest?

A. Rs. 560 B. Rs. 560.75

C. Rs. 551.25 D. Rs. 550

Answer : Option C

36. A sum of money placed at compound interest doubles itself in 4 years. In how many years will it amount to 8 times?

A. 10 years B. 8 years

C. 6 years D. 12 years

Answer : Option D

37. On what sum will the compound interest for 2 $^{1}/_{2}$ years at 10% amount to Rs. 31762.5?

A. Rs.5000 B. Rs.20000

C. Rs.25000 D. Rs.30000

Answer : Option C

38. The compound interest on Rs. 20,000 at 8% per annum is Rs. 3,328. What is the period (in year)?

A. 1 year B. 4 years

C. 3 years D. 2 years

Answer : Option D

39. A man borrows Rs. 20,000 at 10% compound interest. At the end of every year he pays Rs. 2000 as part repayment. How much does he still owe after three such installments?

A. Rs.24000 B. Rs.15000

C. Rs.20000 D. Rs.10000

Answer : Option C

40. The present worth of Rs. 242 due in 2 years at 10% per annum compound interest is:

A. Rs. 180 B. Rs. 240

C. Rs. 220 D. Rs. 200

41. The difference between the simple interest on a certain sum at the rate off

10% per annum for 2 years and compound interest which is compounded every 6 months is Rs. 124.05. What is the principal sum?

A. Rs. 10000
B. Rs. 12000
C. Rs. 6000
D. Rs. 8000

Answer : Option D

42. A sum of Rs. 6600 was taken as a loan. This is to be repaid in two equal annual instalments. If the rate of interest be 20% compounded annually then the value of each instalment is

A. Rs. 4320
B. Rs. 2220
C. Rs. 4400
D. Rs. 4420

Answer : Option A

43. If in a certain number of years Rs. 10000 amount to Rs. 160000 at compound interest, in half that time Rs. 10000 will amount to:

A. Rs. 50000
B. Rs. 40000
C. Rs. 80000
D. Rs. 60000

Answer : Option B

44. What will be the amount if a sum of Rs. 10000 is placed at compound interest for 3 years while rate of interest for the first, second and third years is 2, 5 and 10 percent, respectively?

A. Rs. 11781
B. Rs. 11244
C. Rs. 11231
D. Rs. 11658

45. Simple interest on a sum at 5% per annum for 2 years is Rs. 60. The compound interest on the same sum for the same period is

A. Rs. 62.4
B. Rs. 61.5
C. Rs. 62
D. Rs. 60.5

Answer : Option A

46. A sum is invested at compounded interest payable annually. The interest in the first two successive years was Rs. 400 and Rs. 420. The sum is

A. Rs. 8000
B. Rs.7500
C. Rs. 8500
D. Rs. 8200

Answer : Option A

47. Arun borrowed a certain sum from Manish at a certain rate of simple interest for 2 years. He lent this sum to Sunil at the same rate of interest compounded annually for the same period. At the end of two years, he received Rs. 2400 as compound interest but paid Rs. 2000 only as simple interest. Find the rate of interest.

A. 40%
B. 30%
C. 20%
D. 10%
Answer : Option A

48. If a sum on compound interest becomes three times in 4 years, then with the same interest rate, the sum will become 81 times in:
A. 12 years
B. 18 years
C. 16 years
D. 14 years
Answer : Option C

49. Divide Rs. 3364 between A and B, so that A's Share at the end of 5 years may equal to B's share at the end of 7 years, compound interest being at 5 percent.

A. Rs. 1764 and Rs.1600
B. Rs. 1756 and Rs.1608
C. Rs. 1722 and Rs.1642
D. None of these
Answer : Option A

50. A sum is invested for 3 years compounded at 5%, 10% and 20 % respectively. In three years, if the sum amounts to Rs. 1386, then find the sum.

A. Rs. 1500
B. Rs. 1400
C. Rs. 1200
D. Rs. 1000
Answer : Option D