1. Mr. Khanna took a loan of 10,000 on simple interest for two years at the rate of 3 p.c.p.a. The total amount that he will be paying as interest in 2 years is 3% of his monthly salary. What is his monthly salary?

(a) ₹ 30,000

(b) ₹ 16,000

(c) ₹ 20,000

(d) ₹ 12.000

(e) None of these

2. Mr. Nair's monthly salary is ₹ 22,500. He took a loan of ₹ 30,000 on simple interest for 3 years at the rate of 5 p.c.p.a. The amount that he will be paying as simple interest in 3 years is what percent of his monthly salary?

(a) 10

(b) 18

(c) 20

(d) 25

(e) None of these

3. The simple interest accrued in 9 years on a principal of ₹24,250 is 162 percent of the principal. What is the rate of interest p.c.p.a.?

(a) 16

(b) 18

(c) 22

(d) Cannot be determined

(e) None of these

4. What would be the simple interest accrued in four years on a principle of ₹ 18,440 at the rate of 15 pcpa?

(a) ₹ 11.075

(b) ₹ 12.250

(c) ₹ 11.500

(d) ₹ 12.985

(e) None of these

5. What would be the simple interest accrued in 4 years on a principal of ₹16,500 at the rate of 16 p.c.p.a.?

(a) ₹ 11,560

(b) ₹ 10,560

(c) ₹ 12,500

(d) ₹ 9,980

(e) None of these

6. Mr X invested a certain amount in Debt and Equity Funds in the ratio of 4 : 5. At the end of one year, he earned a total dividend of 30% on his investment. After one year, he reinvested the amount including the dividend in the ratio of 6 : 7 in Debt and Equity Funds. If the amount reinvested in Equity Funds was ₹94,500, what was the original amount invested in Equity Funds?

(a) ₹75,000

(b) ₹81,000

(c) ₹60,000

(d) ₹65,000

(e) None of these

7. A person invested in all ₹ 2600 at 4%, 6% and 8% per annum simple interest. At the end of the year, he got the same interest in all the three cases. The money invested at 4% is:

(a) ₹ 200

(b) ₹ 600

(c) ₹ 800

(d) ₹ 1200

(e) None of these

8. In how many years will ₹ 4600 amount to ₹ 5428 at 3 p.c.p.a. simple interest?

(a) 3

(b) 5

(c) 6

(d) 4

(e) None of these

9. A sum of ₹ 2200 is invested at two different rates of interest. The difference between the interests got after 4 years is ₹ 202.40. What is the difference between the rates of interest ?

(a) 3.3%

(b) 2.3%

(c) 3.5%

(d) 2.5%

(e) None of these

10. An amount of ₹ 1,00,000 is invested in two types of shares. The first yields an interest of 9% p.a. and the second, 11% p.a. If the total interest at the end of one year is 9 3/4% **then the amount invested in each share was:**

(a) ₹ 52,500; ₹ 47,500

(b) ₹ 62, 500; ₹ 37,500

(c) ₹ 72,500: ₹ 27,500

(d) ₹ 82, 500; ₹ 17,500

(e) None of these

11.The compound interest on Rs. 6000 at 10% per annum for 1 1/2 years, when the interest being compounded annually?

(a) Rs. 910

(b) Rs. 870

(c) Rs. 930

(d) Rs. 900

(e) None of these

12.The compound interest earned by Suresh on a certain amount at the end of two years at the rate of 8 p.c.p.a was ₹ 1,414.4. What was the total amount that Suresh got back at the end of two years in the form of principal plus interest earned ?

(a) ₹ 9.414.4

(b) ₹ 9,914.4

(c) ₹ 9,014.4

(d) ₹ 8,914.4

(e) None of these

13.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. 122

(d) Rs. 123

(e) None of these

14.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 Rs. 56. If the rate of interest in both the cases is 16%, then the sum is?

(a) Rs. 6080

(b) Rs. 7805

(c) Rs. 8750

(d) Rs. 5780

(e) None of these

15.A man invests Rs. 5000 for 3 years at 5% p.a. compound interest reckoned yearly. Income tax at the rate of 20% on the interest earned is deducted at the end of each year. Find the amount at the end of the third year?

(a) Rs. 5624.32

(b) Rs. 5627.20

(c) Rs. 5630.50

(d) Rs. 5788.15

(e) None of these

16.How much will be the compound interest to be paid on a principal amount of ₹ 53,000 after 2 years at the rate of 4 p.c.p.a.?

(a) ₹ 4,324.8

(b) ₹ 4,432.8

(c) ₹ 4,342.8

(d) ₹ 4,234.8

(e) None of these

17.The compound interest accrued in two years on a principal of ₹15,800 is ₹ 7716.72. What is the rate of interest pcpa?

(a) 22%

(b) 16%

(c) 18%

(d) Cannot be determined

(e) None of these

18.What is the difference between the compound interests on Rs. 5000 for 1 1/2 years at 4% per annum compounded yearly and half-yearly?

(a) Rs. 2.04

(b) Rs. 3.06

(c) Rs. 4.80

(d) Rs. 8.30

(e) Rs. 9.50

19.What is the difference between the compound interest and simple interest accrued on an amount of ₹12,000 at the end of three years at the rate of 12%?

(a) ₹ 488.322

(b) ₹ 602.242

(c) ₹ 495.248

(d) ₹ 539.136

(e) None of these

20.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

(e) None of these

21.The compound interest earned on a sum is 3 years at 15% per annum compounded annually is ₹6500.52. What is the sum?

(a) ₹ 12480

(b) ₹ 10500

(c) ₹ 14800

(d) ₹ 13620

(e) None of these

22.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 ?

(a) 4 years

(b) 5 years

(c) 6 years

(d) 8 years

(e) 9 years

23. A sum of money placed at compound interest double itself in 4 years. In how many years will it amount to four times itself?

(a) 2 years

(b) 4 years

(c) 8 years

(d) 10 years

(e) 12 years

24.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. 700

(e) Rs. 800

25.If the compound interest on a certain sum of money for 3 years at 10% p.a. be ₹ 993, what would be the simple interest?

(a) ₹ 800

(b) ₹ 950

(c) ₹ 900

(d) ₹ 1000

(e) None of these

26.The difference between compound interest and simple interest on a sum for 2 years at 10% per annum, when the interest is compounded annually is ₹ 16. If the interest were compounded half-yearly, the difference in two interests would be:

(a) ₹ 24.81

(b) ₹ 26.90

(c) ₹ 31.61

(d) ₹ 32.40

(e) None of these

27.A person lent out a certain sum on simple interest and the same sum on compound interest at certain rate of interest per annum. He noticed that the ratio between the difference of compound interest and simple interest of 3 years and that of 2 years is 25 : 8. The rate of interest per annum is:

(a) 10%

(b) 1112%

(c) 12%

(d) 12 12%

(e) None of these

28.A father left a will of Rs. 16400 for his two sons aged 17 and 18 years. They must get equal amount when they are 20 years, at 5% compound interest. Find the present share of the younger son?

(a) Rs. 8000

(b) Rs. 8200

(c) Rs. 8400

(d) Rs. 8600

(e) Rs. 8800