

IPMAT/JIPMAT/IIM-B PYQ Practice Sheet: Simple & Compound Interest

Q1 (IIM-B (BBA-DBE) 2024 Slot 1): A bank offers 5% compound interest per annum, calculated on half-yearly basis. A customer deposits ₹3200 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. 242
- (b) Rs. 240
- (c) Rs. 340
- (d) Rs. 342

Q2 (IIM-B (BBA-DBE) 2024 Slot 2): The simple interest on a certain sum of money invested at 7.5% per annum for 4 years is ₹243. What was the sum (in ₹) invested?

- (a) 840
- (b) 750
- (c) 810
- (d) 900

Q3 (PYP 2025): 25000 blood donors were registered with Red Cross in a city. The number of donors increased at the rate of 10% every 6 months. Find the total time (in years) at the end of which the total number of blood donors becomes 33275.

- (a) 2
- (b) 3
- (c) 2.5
- (d) 1.5

Q4 (BMSAT Kozhikode 2025): The simple interest and compound interest on a certain sum for 2 years is INR 1250 and INR 1475, respectively. The rate of interest per annum (compounded annually) in percentage is:

- (a) 12
- (b) 24
- (c) 36
- (d) None of these

Q5 (IPMAT Indore 2019): If the compound interest earned on a certain sum for 2 years is twice the amount of simple interest for 2 years, then the rate of interest per annum is _____ percent

- (a) 200%
- (b) 2%
- (c) 4%
- (d) 400%

Q6 (IPMAT Indore 2023): Assume it is the beginning of the year today. Ankita will earn INR 10,000 at the end of the year, which she plans to invest in a bank deposit immediately at a fixed simple interest of 0.5% per annum. Her yearly income will increase by INR 10,000 every year, and the fixed simple interest offered by the bank on new deposits will also increase by 0.5% per annum every year. If Ankita continues to invest all her yearly income in new bank deposits at the end of each year, the total interest earned by her, in INR, in five years from today will be

Entered answer:

Q7 (IPMAT Indore 2023): If the difference between compound interest and simple interest for a certain amount of money invested for 3 years at an annual interest rate of 10% is INR 527, then the amount invested in INR is

- (a) 17000
- (b) 15000
- (c) 1500
- (d) 170000

Q8 (IPMAT Indore 2024): Person A borrows Rs. 4000 from another person B for a duration of 4 years. He borrows a portion of it at 3% simple interest per annum, while the rest at 4% simple interest per annum. If B gets Rs. 520 as total interest, then the amount A borrowed at 3% per annum in Rs. is:

Entered answer:

Q9 (IPMAT Indore 2024): Sagarika divides her savings of 10000 rupees to invest across two schemes A and B. Scheme A offers an interest rate of 10% per annum, compounded half-yearly, while scheme B offers a simple interest rate of 12% per annum. If at the end of first year, the value of her investment in scheme B exceeds the value of her investment in scheme A by 2310 rupees, then the total interest, in rupees, earned by Sagarika during the first year of investment is

- (a) 1111
- (b) 1000
- (c) 1100

(d) 1130

Q10 (IPMAT Indore 2025): Anindita invests a total of 1 lakh rupees distributed across three schemes A, B and C for a period of two years. These schemes offer an interest rate of 10%, 8% and 12% per annum, respectively, each compounded annually. If the initial investment amount in scheme A is 30000 rupees and the total interest earned from all the three schemes during the first year is 10600 rupees, then the total interest earned, in rupees, from all the three schemes for the second year is

- (a) 10308
- (b) 11748
- (c) 22348
- (d) 19708

Q11 (IPMAT Rohtak 2019): Veena has to pay Rs. 2460 to Sita, 5 months later at 6% simple interest per annum, and Gita has to pay Sita the same amount at 7.5% simple interest per annum after certain months. If both took the same amount of loan from Sita then Gita paid the loan after how many months?

- (a) 3 Months
- (b) 4 Months
- (c) 6 Months
- (d) 12 Months

Q12 (IPMAT Rohtak 2020): Present sum of money amounts to Rs 800 in two years and to Rs 920 in three years, then the present sum of money is

- (a) 420
- (b) 690
- (c) 560
- (d) None of the options

Q13 (IPMAT Rohtak 2020): Bhavani invested an amount of Rs. 13900 divided in two different schemes, A and B at the simple interest rate of 14% per annum and 11% per annum respectively if the total amount of simple interest earned in two year be Rs. 3508, what was the amount invested in Scheme B?

- (a) 6400
- (b) 6500
- (c) 7200
- (d) 7900

Q14 (JIPMAT 2021): A certain sum is lent at a certain rate of compound interest. It grows to 1.44 times its value in 2 years. If the same sum is lent at simple interest at the same rate, in how many years would it double itself?

- (a) 3 years
- (b) 4 years
- (c) 5 years
- (d) 6 years

Q15 (JIPMAT 2022): A sum becomes double in 10 years, then what is the annual rate of simple interest?

- (a) 8%
- (b) 5%
- (c) 10%
- (d) 20%

Q16 (JIPMAT 2023): Sumit has Rs. 90000 with him. He purchases three items A, B, and C for Rs. 15000, Rs. 13000, and Rs. 35000 respectively and puts the remaining money in a bank deposit that pays compound interest @15% per annum. After 2 years, he sells off the three items at 80% of their original price and also withdraws his entire money from the bank by closing the account. What is the total change in his asset?

- (a) -4.152%
- (b) 3.152%
- (c) -4.325%
- (d) 5.552%

Q17 (JIPMAT 2024): An amount doubles itself at compound interest in 5 years. How many years will it take to make the amount 16 times itself?

- (a) 25
- (b) 15
- (c) 16
- (d) 20

Q18 (JIPMAT 2025): The difference between compound and simple interests on a certain sum of money at the interest rate of 10% per annum for $1\frac{1}{2}$ years is ₹183, when the interest is compounded semi-annually, then the sum of money is:

- (a) ₹ 22,000
- (b) ₹ 24,000
- (c) ₹ 26,000
- (d) ₹ 28,000

Q19 (JIPMAT 2025): In 4 years, an amount of ₹ 6,000 becomes ₹ 8,000 at a certain rate of simple interest. In what time at the same simple interest rate, will an amount of ₹ 525 become ₹ 700?

- (a) 2 years
- (b) 3 years
- (c) 4 years
- (d) 5 years



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Answer Key

Simple & Compound Interest

Q1: (a)**Q4:** (c)**Q7:** (a)**Q10:** (b)**Q13:** (a)**Q16:** (c)**Q19:** (c)**Q2:** (c)**Q5:** (a)**Q8:** 3000**Q11:** (b)**Q14:** (c)**Q17:** (d)**Q3:** (d)**Q6:** 2500**Q9:** (d)**Q12:** (c)**Q15:** (c)**Q18:** (b)

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* Q1 TSD Sheet 2: calculated 46 kmph (not in options) — please verify against official key.