



MATHS

BOOKS - NAVNEET PUBLICATION

COMPOUND INTEREST

Question Bank

1. Find the amount and the compound interest.





[View Text Solution](#)

2. Find the amount and the compound interest.



[View Text Solution](#)

3. Find the amount and the compound interest.





[View Text Solution](#)

4. Sameer Rao has taken a loan of ₹ 12500 at a rate of 12 p.c.p.a. for 3 years. If the interest is compounded annually then how many rupees should he pay to clear his loan?



[Watch Video Solution](#)

5. To start a business Shalaka has taken a loan of ₹ 8000 at a rate of $10\frac{1}{2}$ p.c.p.a. After two

years how much compound interest will she have to pay?



[Watch Video Solution](#)

6. On the construction work of a flyover bridge there were 320 workers initially. The number of workers were increased by 25% every year. Find the number of workers after 2 years.



[Watch Video Solution](#)

7. A shepherd has 200 sheep with him. Find the number of sheep with him after 2 years if the increase in number of sheep is 10% every year.



[Watch Video Solution](#)

8. In a forest there are 40,000 trees. Find the expected number of trees after 3 years if the objective is to increase the number of trees at the rate of 5% per year.





[Watch Video Solution](#)

9. The cost price of a machine is 2,50,000. If the rate of depreciation is 10% per year find the depreciation in price of machine after two years.



[Watch Video Solution](#)

10. Find the compound interest, if the amount of a certain principal after two years is ₹ 4036.80 at the rate of 16 p.c.p.a.



[Watch Video Solution](#)

11. A loan of ₹ 15000 was taken on compound interest. If the rate of compound interest is 12 p.c.p.a. find the amount to settle the loan after 3 years.



[Watch Video Solution](#)

12. A principal amounts to ₹ 13924 in 2 years by compound interest at 18 p.c.p.a. Find the

principal.



[Watch Video Solution](#)

13. The population of a suburb is 16000. Find the rate of increase in the population if the population after two years is 17640.



[Watch Video Solution](#)

14. In how many years will ₹ 700 amount to 847 at a compound interest rate of 10 p.c.p.a.?



[Watch Video Solution](#)

15. Find the difference between the simple interest and compound interest on ₹ 20000 at 8 p.c.p.a.



[Watch Video Solution](#)

16. Choose the correct alternative answers for each of the following questions :

The compound interest on ₹ 9000 invested for 2 years at the rate of 10 p.c.p.a. is

A. ₹ 10890

B. ₹ 10980

C. ₹ 1890

D. ₹ 1980

Answer: C



Watch Video Solution

17. Choose the correct alternative answers for each of the following questions :

The amount after 3 years on a principal of ₹ 64000 at the rate of compound interest $12\frac{1}{2}$ p.c.p.a. is

A. ₹ 91,215

B. ₹ 91,125

C. ₹ 27,125

D. ₹ 27,152

Answer: B



[Watch Video Solution](#)

18. Find the simple interest on ₹ 9000 invested at the rate of 10 p.c.p.a. for 3 years



[Watch Video Solution](#)

19. Neha invested ₹ 10,000 at the rate 10 p.c.p.a. in a scheme for 3 years. Find the amount she gets after 3 years, if the interest is compounded annually.



[Watch Video Solution](#)

20. Find the compound interest accruing annually on ₹ 5000 for 3 years at the rate of 10 p.c.p.a. Find what the loan amounts to at the end of 2 years and 3 years ?



[Watch Video Solution](#)

21. Ganesh invested ₹ 50,000 in a nationalised bank for 2 years at the rate of 9 p.c.p.a. at

compound interest. Calculate the amount and compound interest at the end of 2 years.



[Watch Video Solution](#)

22. Ambadas took a loan of ₹ 96000 at compound interest from a bank to drill well in his field. If the rate is 6.25 p.c.p.a., what amount will he have to pay to the bank if he returns the loan after 2 years? How much money would he have saved had he been able to

borrow the same amount at simple interest for the same period at the same rate?



[Watch Video Solution](#)

23. There are 25,000 trees in a forest. If the target rate for growth in the number of trees is 10% per year, what will their number be after 3 years?



[Watch Video Solution](#)

24. The value of a machine is ₹ 48,000. If each year, its value depreciates by 5% , what will its value be at the end of 2 years?



Watch Video Solution

25. A car is valued at ₹ 4,00,000. If its value falls at 2.5% per year, what will be its value after 3 years?



Watch Video Solution

26. The population of a village is 1,20,000. If the population increases by 5% every year, what will it be after 3 years?



Watch Video Solution

27. What is the difference between the simple interest and compound interest payable on a principal of ₹ 1250 in 2 years at the rate of 10 p.c.p.a.?



Watch Video Solution

28. Find the principal which amounts to ₹ 23152.50 at the rate of 5 p.c.p.a. compounded annually for 3 years.



Watch Video Solution

29. If ₹ 16,000 amounts to ₹ 22781.25 in 3 years. Find the rate of interest, if the interest is compounded annually.



Watch Video Solution

30. If ₹ 10,000 amounts to ₹ 12,100 in few years, find the duration of investment, if the rate of interest is 10 p.c.p.a. compounded annually.



Watch Video Solution