

Accounting & Financial Analytics with Zoho Books Assignment - 1

Title: Excel Finance Functions - Basic Concepts

Assignment Description:

In this assignment, you will explore basic financial functions in Excel used for financial analysis, such as calculating loan payments, future values, present values, and more. You will apply these functions to solve real-world financial scenarios. This assignment is designed to reinforce your understanding of fundamental financial concepts and Excel skills.

Instructions:

- Open Microsoft Excel and create a new spreadsheet.
- Use the given financial functions to solve each problem below.
- Provide your answers in the designated cells and include any necessary formulas.
- Save your Excel file with your name and submit it as instructed by your instructor.

Assignment Questions:

1. Calculate the monthly payment for a loan of ₹200,000 at an annual interest rate of 6% to be repaid over 5 years.
2. Determine the future value of an investment where ₹5,000 is invested annually at an interest rate of 8% for 10 years.
3. Find the present value of a future sum of ₹50,000 to be received after 3 years, discounted at an interest rate of 5% per year.
4. Calculate the net present value (NPV) of a project with the following cash flows: -₹10,000 in year 1, ₹3,000 in year 2, ₹6,000 in year 3, ₹8,000 in year 4, and ₹12,000 in year 5, discounted at an annual rate of 7%.
5. Determine the internal rate of return (IRR) for the same project described in question 4.
6. Find the total payment required to pay off a loan of ₹150,000 with an annual interest rate of 10% over a period of 8 years, assuming monthly payments.
7. Calculate the future value of an annuity where ₹2,500 is deposited monthly into an account with an annual interest rate of 6% for 15 years.
8. Determine the number of periods required to reach a future value of ₹1,000,000 when ₹10,000 is invested annually at an interest rate of 12%.
9. Find the monthly payment required to pay off a loan of ₹300,000 with an annual interest rate of 9% over a period of 5 years.
10. Calculate the amount of money that needs to be invested today to accumulate ₹50,000 in 10 years at an annual interest rate of 7%.