Q1) Calculate the monthly payment for a loan of ₹200,000 at an annual interest rate of 6% to be repaid over 5 year

Annual Rate	6%
Tenure(in years)	5
Principle Amount	200000
Number Of Payments	60
Monthly Payment	₹3,866.56
Total Cost	₹231,993.62

Q2) Determine the future value of an investment where ₹5,000 is invested annually at an interest rate of 8% for 10 years.

Interest Rate	8%
Tenure(In years)	10
Annual Investment	5,000
Number of investments	120
Future value of investment	₹72,432.81

Q3) 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

Future Sum	50,000
Tenure(in years)	3
Interest rate	5%
Present Value	₹43,191.88

Q4) 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,

Discount Rate	7%

Year	Cashflows

1	-10000
2	3000
3	6000
4	8000
5	12000

Net Present Value	₹13,729

Q5) Determine the internal rate of return (IRR) for the same project described in question 4.

Year	Cash Flows
1	-10000
2	3000
3	6000
4	8000
5	12000

IRR	46%

Q6) 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 m

loan amount	150000
annual interest rate	10%
tenure(in years)	8
number of payments	96
monthly payment	₹ 2,276.12
Total payment	₹ 218,507.96

Q7) 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 y

Monthly Investment	2500
Annual interest rate	6%
Tenure(in years)	15

Number of investments	180
future value	₹ 727,046.78

Q8) 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

Future value	1000000
Annual Investment	10000
Interest rate	12%
Number of periods	22.632834312983

Q9) 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.

Loan	300000
Annual interest rate	9%
Tenure(in years)	5
Number of periods	60
Monthly Payment	₹ 6,227.51

Q10) 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%.

Future Value	50000
Interest Rate	7%
Tenure(in years)	10
Present value	₹ 25,417.46

₹8,000 in year 4, and ₹12,000 in year 5, discounted at an annual rate of 7%.