Time: 2 Hours   **Marks: 24**

Instructions: *1. Attempt ANY 4 questions*
                         *2. Each question carry **6 marks.***

1) Calculate the amount and compound interest on ₹ 25000 for 3 years at 8% per annum.
2) Draw Venn diagram to represent $A^c \cap B$.
3) Find the amount for ordinary annuity with periodic payment as ₹ 4000 for 4 years at the rate of interest 10% per annum calculated half yearly.
4) If the demand D is given by $D = 12 + 4p – p^2$ where being the price, find the price elasticity when $p = 4$.
5) Anish borrows a loan of ₹ 100000 to be repaid in 4 monthly instalments at the rate of 10% p.a. compounded monthly. Calculate EMI using reducing balance method.