

Goa Vidyaprasarak Mandal's
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND ECONOMICS
FARMAGUDI, PONDA – GOA
B.COM. UGC-CCFUP (SEMESTER-I) PRACTICAL EXAMINATION OCTOBER 2023
COM-142 – BUSINESS MATHEMATICS - I

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 p 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.
-