

**G.V.M.'s Gopal Govind Poy Raiturcar College of
Commerce and Economics, Ponda Goa**

M.Com. Semester IV

ISA I February 2025

COM 603: Advanced Econometrics

Time: 1 hour

Marks: 20

(Marks) (BL)(CO)

Q.1. Answer any Five of the following.

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| 1) What are limited dependent variables? | (2)(1)(1) |
| 2) P_i = Probability that $Y_i=1$ and $(1 - P_i)$ is probability that $Y_i=0$, Explain. | (2)(2)(1) |
| 3) How Linear Probability Model violates property of probability? | (2)(1)(1) |
| 4) Explain Latent variables with the help of an example. | (2)(1)(1) |
| 5) What is the Probit Model? | (2)(1)(1) |
| 6) Give any five Examples of limited dependent variables. | (2)(1)(1) |

Q.2. Explain logit Model = $P_i = \frac{1}{1+e^{-Z}}$ (5)(2)(1)

Q.3. What is Tobit Model? How will you Interpret probit model? (5)(1)(1)