

**PRASHANT INSTITUTE OF MANAGEMENT**

**ASSIGNMENT QUESTIONS**

**QUANTITATIVE TECHNIQUES**

**FT-EC-HRA-305**

1. Explain Binomial, Poisson and Normal probability distribution.
2. What is Baye's theorem and its application?
3. What are the basic laws of probability?
4. Explain Game Theory in detail.

5. Solve: Minimize

$$4a + 5b + 6c$$

Subject to

$$a + b \geq 11$$

$$a - b \leq 5$$

$$c - a - b = 0$$

$$7a \geq 35 - 12b$$

$$a \geq 0 \quad b \geq 0 \quad c \geq 0$$