Master of Business Administration (MBA)/ Master of Business Administration (Online) MBA(OL) / Master of Business Administration (Banking and Finance) (MBF)/ Master of Business Administration(Financial Management) (MBAFM)/ Master of Business Administration(Human Resource Management) (MBAHM)/ Master of Business Administration(Marketing Management) (MBAMM) Master of Business Administration(Operations Management) (MBAOM)/Post Graduate Diploma in Operations Management (PGDIOM)

ASSIGNMENT

For

July 2024 and January 2025 Sessions

MMPC-005: Quantitative Analysis For Managerial Applications

(Last date of submission for July 2024 session is 31st October 2024 and for January 2025 session is 30th April, 2025)

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UNIVERSITY

School of Management Studies
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI – 110 068

ASSIGNMENT

Course Code	:	**MMPC-005**
Course Title	:	**Quantitative Analysis For Managerial Applications**
Assignment Code	:	**MMPC-005/TMA/ JULY/2024**
Coverage	:	**All Blocks**

Note: Attempt all the questions and submit this assignment to the Coordinator of your study centre. Last date of submission for July 2024 session is 31st October, 2024 and for January 2025 session is 30th April 2025.

1. Describe briefly the questionnaire method of collecting primary data. State the essentials of a good questionnaire.

2. Discuss the importance of measuring variability for managerial decision-making.

3. An investment consultant predicts that the odds against the price of a certain stock will go up during the next week are 2:1 and the odds in favour of the price remaining the same are 1:3. What is the probability that the price of the stock will go down during the next week?

4. In practice, we find situations where it is not possible to make any probability assessment. What criterion can be used in decision-making situations where the probabilities of outcomes are unknown?

5. A purchase manager knows that the hardness of castings from any supplier is normally distributed with a mean of 20.25 and SD of 2.5. He picks up 100 samples of castings from any supplier who claims that his castings have heavier hardness and finds the mean hardness as 20.50. Test whether the claim of the supplier is tenable.