

MS - 08

Management Programme

ASSIGNMENT

For

January 2023 and July 2023 Sessions

MS - 08: Quantitative Analysis for Managerial Applications

**(Last date of submission for January 2023 session is 30th April, 2023
and for July 2023 sessions is 31st October, 2023)**



School of Management Studies

INDIRA GANDHI NATIONAL OPEN UNIVERSITY

MAIDAN GARHI, NEW DELHI – 110 068

ASSIGNMENT

Course Code	:	MS - 08
Course Title	:	Quantitative Analysis for Managerial Applications
Assignment Code	:	MS - 08/TMA/JAN/2023
Coverage	:	All Blocks

Note: Attempt all the questions and submit this assignment to the coordinator of your study centre. Last date of submission for January 2023 session is 30th April, 2023 and for July 2023 session is 31st October, 2023.

1. A car is purchased for Rs. 80,000. Depreciation is calculated at 5% per annum for the first 3 years and 10% per annum for the next 3 years. Find the money value of the car after a period of 6 years.
2. “Whether to use primary data or secondary data depends on several factors.” Explain, in view of the statement, the various factors affecting the choice of data.
3. A multiple choice quiz has 200 questions, each with 4 possible answers, out of which only one is correct. What is the probability (using normal approximation to binomial distribution) that sheer guesswork yields 25 to 30 correct answers for 80 problems (out of 200 problems) about which the student has no knowledge?
4. What do you understand by sampling? What are the two types of sampling? Name them. Explain in brief any one type of sampling.
5. “Time series analysis is one of the most powerful methods in use, especially for short-term forecasting purposes.” Comment on the statement.