

MMPC-005

**MBA and MBA (Banking & Finance)**

**MMPC-005: Quantitative Analysis for  
Managerial Applications**

**ASSIGNMENT**

*For*

**July 2021 and January 2022 Sessions**

*(Last date of submission for July 2021 Session is 30<sup>th</sup> November 2021 and for  
January 2022 Session is 30<sup>th</sup> April 2022).*



**School of Management Studies  
INDIRA GANDHI NATIONAL OPEN UNIVERSITY  
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## ASSIGNMENT

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<b>Course Code</b>	<b>:</b>	<b>MMPC-005</b>
<b>Course Title</b>	<b>:</b>	<b>Quantitative Analysis for Managerial Applications</b>
<b>Assignment Code</b>	<b>:</b>	<b>MMPC-005/TMA/ 2021-22</b>
<b>Coverage</b>	<b>:</b>	<b>All Blocks</b>

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**Note:** Attempt all questions and submit this assignment to the coordinator of your study centre. *Last date of submission for July 2021 Session is 30<sup>th</sup> November 2021 and for January 2022 Session is 30<sup>th</sup> April 2022.*

1. Calculate the arithmetic mean from the following data:-

C.I.	f
50-59	1
40-49	3
30-39	8
20-29	10
10-19	15
0-9	3

2. Explain the concept of probability theory. Also, explain what are the different approaches to probability theory.
3. Of a large group of men, 5% are under 58 inches and 40% are between 58 and 65 inches. Assuming a normal distribution find the mean height and standard deviation.
4. "Time series analysis is one of the most powerful methods in use, especially for short-term forecasting purposes." Comment on the statement.
5. Write the short note on any three of the following:-
- (a) Mathematical Property of Median
  - (b) Decision Tree Approach
  - (c) Stratified vs. Cluster Sampling
  - (d) Pearson's Product Moment Correlation Coefficient