

MMPO-001

## **Master of Business Administration**

**ASSIGNMENT**  
**for**  
**July 2022 and January 2023 sessions**

### **MMPO-001: OPERATIONS RESEARCH**

*(Last date of submission for July 2022 session is 31<sup>st</sup> October, 2022 and for January 2023 session is 30<sup>th</sup> April, 2023)*



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

## ASSIGNMENT

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|------------------------|----------|-------------------------------|
| <b>Course Code</b>     | <b>:</b> | <b>MMPO-001</b>               |
| <b>Course Title</b>    | <b>:</b> | <b>OPERATIONS RESEARCH</b>    |
| <b>Assignment Code</b> | <b>:</b> | <b>MMPO-001/TMA/JULY/2022</b> |
| <b>Coverage</b>        | <b>:</b> | <b>All Blocks</b>             |

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**Note:** Attempt all the questions and submit this assignment to the coordinator of your study centre. **Last date of submission for July 2022 session is 31<sup>st</sup> October, 2022 and for January 2023 session is 30<sup>th</sup> April, 2023.**

1. What is Operations Research? Describe some of the tools of Operations Research.
2. What do you mean by Goal Programming? Describe the specialities of goal programming.
3. Describe the unique features of goal programming.
4. Determine which course of action Player B will not use in the following game. Obtain the best strategies for both players and the value of the game.

|          |    | Player B |    |     |
|----------|----|----------|----|-----|
|          |    | I        | II | III |
| Player A | I  | -3       | -1 | 7   |
|          | II | 4        | 1  | -2  |

5. What is queueing system? Discuss the characteristics of a queueing model.