

Management Programme

ASSIGNMENT
For
January 2022 and July 2022 sessions

MS - 53: Production/Operations Management

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



School of Management Studies

INDIRA GANDHI NATIONAL OPEN UNIVERSITY

MAIDAN GARHI, NEW DELHI – 110 068

ASSIGNMENT

Course Code	:	MS - 53
Course Title	:	Production/Operations Management
Assignment Code	:	MS-53/TMA/JAN/2022
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 2022 session is 30th April, 2022 and for July 2022 session is 31st October, 2022.**

1. What do you mean by production/operations management? What is the input-transformation-output process? Why operations management important in all types of organizations? Discuss.
2. Cell phone sales for a Mumbai-based firm over the last 10 weeks are shown in the following table. Plot the data, and visually check to see if a linear trend line would be appropriate. Then determine the equation of the trend line, and predict sales for weeks 11 and 12.

Week	Unit Sales
1	700
2	724
3	720
4	728
5	740
6	742
7	758
8	750
9	770
10	775

3. What do you mean by facilities layout? What are the various types of layouts? Discuss with suitable examples.
4. ABC Company Ltd manufactures a seasonal product. At the present, they use a level labor force a matter of company policy. The company is afraid that, if they lay off workers they will not be able to rehire them or to find qualified replacements. Does this company have an aggregate planning problem? Discuss.
5. Write a short note on the following:
 - i. Quality Function deployment (QFD).
 - ii. Guidelines for conducting Delphi study.
 - iii. Work measurement.
 - iv. Characteristics of Just in Time Systems.