

First sessional Exam, National Institute of Technology Kurukshetra. 136119.

Subject: Industrial Engineering,

Code: MEPC 212,

Time: 55 Mins, Date: 22 Feb 2025

Marks: 15 Marks.

**Attempt all the question**

1. Explain the terms of Production, Productivity and Multi-factor productivity in Industrial Engineering. (4).
2. The data for output produced and inputs consumed for a particular type of a manufacturing organisation are given below in constant money value. Find out the Partial, Total-factor and Total productivity values. Where data pertain to, Output = Rs. 2000.00, Labour input = Rs. 400.00, Material input = Rs. 200.00, Capital input = Rs. 500.00, Energy input = Rs. 100.00, other expenses input = Rs. 50.00. (5)
3. (a) Difference b/w the Process and Product layout design influence in manufacturing environments. (3)  
(b) Five factors affective to selection of conventional and AGV handling equipment adoption to enhance the Industrial performance. (03).