

Operations  
MMS-III  
**IEAM 03**

03.11.2010

Industrial Engineering Application & Mgmt

Roll No.:

Total No. of Questions: Five

Duration (hrs.) : 2 hrs.

Total No. Pages: ONE

Maximum Marks: 30 marks

Note: 1. Read the question carefully and then answer.

2. **Question No. 1** is compulsory. Solve any **TWO** from the remaining questions.

3. All questions carry equal marks.

Q. 1 : Short Notes (**Any Four**)

- a. Storage systems
- b. Low cost automation
- c. Ergonomics
- d. Application areas of Industrial Engineering
- e. Low cost automation
- f. International Labour Standards

Q. 2 : What is productivity? Explain in brief the various factors affecting national productivity & the productivity in manufacturing and the services?

Q. 3 : What is PMTS? What are its uses? Which are various human body motions?

Q. 4 : What are the various factors which may be considered while selecting a material handling equipment?

Q. 5 : Which are the various factors governing plant location? Explain in brief. State various objectives of a good plant layout. Explain in brief the principles of Plant Layout.

\*\*\*\*\*