



Reg. No. :

Name :

**Fourth Semester M.A. P.M. Degree Examination, August 2010
(New Scheme – 2006 Admission)**

PM 2.4.1 – Paper – I : INDUSTRIAL ENGINEERING

Time: 3 Hours

Max. Marks: 75

PART – A

Answer **any five** questions. All questions carry **equal** marks. Each answer **not** to exceed **300** words.

1. What is the subject matter of industrial engineering ? Mention the important methods for raising productivity with special reference to industrial engineering.
2. What do you understand by standard data ? Briefly explain the different methods used for determining standard data.
3. Explain the significance of office organization and methods vis-à-vis production planning and process design.
4. What are the important forms and records used for office organization ? How are they designed ?
5. What are the challenges in materials handling ? Write a short note on materials handling organizations.
6. What is inventory ? What are its uses ? Why is inventory management required in organizations ?
7. What are ordering and carrying costs ? What are their constituents ?
8. What are the causes for accidents ? How can accident prevention be effectively done in organizations ?

(5×6=30 Marks)

PART - B

Answer **any three** questions. **All** questions carry **equal** marks. **Each** answer **not** to exceed **1500** words.

9. Distinguish between time and motion studies. How can these studies be used in enhancing productivity in a service industry? Explain the procedure.
 10. What is a critical path? How is it important in a network diagram? Explain the application of Critical Path Method (CPM) in project management with the help of illustrations.
 11. What is Materials Requirement Planning (MRP)? Explain the inputs and outputs required by the MRP processing logic.
 12. What is ABC analysis? Mention its advantages. Is there any scope of applying the ABC analysis in a modern retail store?
 13. How are health and safety of employees related to their working conditions? Explain how safety management is done in organizations. Mention the role of HR department in this regard.
- (3×15=45 Marks)**