

Roll No.

2312

B. E/B. Tech. 6th Semester (ME)

Examination – May, 2014

Industrial Engineering

Paper : ME-312 -E

Time : Three hours] [Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any five questions.

1. Explain the principal of motion economy. Discuss the different technique used for method study. 20
2. What are the factors effecting productivity ? Discuss the various strategies for improving productivity. 20
3. Write short notes on : 20
 - (a) Recovery of overhead
 - (b) Break even analysis
 - (c) Cost variance analysis

4. Explain the strategic importance of materials in manufacturing industries. Also discuss the ABC analysis. 20
5. (a) Define quality. Discuss the concept of quality assurance system. 20
(b) Discuss various types of sampling plans.
6. Explain the methods of forecasting with their advantages and disadvantages. Explain the various means of measuring effectiveness of production planning and control. 20
7. What is management information system ? Discuss the importance of MIS. 20
8. What is the role of Ergonomics in product design ? Explain standardization and simplification. 20