

**B.Tech 6th Semester (ME) F-Scheme
Examination, May-2017**

INDUSTRIAL ENGINEERING

Paper-ME-312-F

Time allowed : 3 hours]

[Maximum marks : 100

Note : Question No.1 will be compulsory. There are four sections contain two questions in each, at least one question is to be attempted from each section.

1. Explain : 4×5=20
- (a) What are the objectives of Industrial Engineering.
 - (b) Explain THERBLIGS.
 - (c) What are forecasting ?
 - (d) Explain TQM.

Section-A

2. (a) Explain principle of Motion Economy. 10
- (b) Explain various techniques of method study. 10
3. Explain factors effecting production. What are the various strategies used for improving productivity ? Explain. 20

Section-B

4. What is cost ? Explain its types in detail. 20
5. What is inventory ? Explain inventory control system with its advantages. 20

Section-C

6. (a) Explain SQC in detail. 10
(b) Explain work sampling plan.
7. What is scheduling ? Explain Gantt Chart. 20

Section-D

8. (a) What is the importance of MIS ? Explain. 10
(b) Explain organizational and information system in detail. 10
9. Explain various approaches that are used for product design and development. 20