

Roll No.

24359

**B. Tech 6th Semester (ME)
Examination – May, 2018**

INDUSTRIAL ENGINEERING

Paper : ME-312-F

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 *five* questions. Question No. 1 is *compulsory* and attempt at least *one* question from each Section.

1. (i) Define industrial engineering. 10 × 2 = 20
(ii) What is method study ?
(iii) What is direct cost ?
(iv) What is inventory control ?
(v) What is quality ?

- (vi) What is sampling ?
- (vii) What are Gantt charts ?
- (viii) What is data flow diagram ?
- (ix) What is organisational information system ?
- (x) What is JIT ?

SECTION - A

- 2. What is work measurement ? Explain various methods of work measurement. 20
- 3. What is job evaluation ? Explain various methods of job evaluation. 20

SECTION - B

- 4. What is cost ? Explain various types of cost with suitable examples. 20
- 5. What is inventory control ? Explain its types, advantages and applications with suitable example. 20

SECTION - C

- 6. Explain SQC & TQM in detail. 20

7. (i) What is sequencing and scheduling ? Explain. 12
(ii) Explain methods of forecasting. 8

SECTION - D

8. What is MIS ? What is the role of MIS in decision making ? Explain. 20
9. (i) Discuss various approaches regarding product design & development. 10
(ii) Role of 3's in product design and development. 10
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