

Roll No.

24359

B. Tech 6th Semester (ME)

Examination – May, 2016

INDUSTRIAL ENGINEERING

Paper : ME-312-F

Time : Three Hours]

[Maximum Marks : 100

Before answering the question, 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 : Question No. 1 is *compulsory*. There are *four* sections, contain 2 question in each at least one question is to be attempted from each Section.

1. Explain : 20

- (i) Industrial Engineering
- (ii) Motion Economy
- (iii) Quality
- (iv) Cost
- (v) Incentives

SECTION - A

2. (a) What is break even analysis ? Explain. 10
(b) Explain fixed, variable and overhead costs. 10
3. What is productivity ? Explain factors effecting productivity. 20

SECTION - B

4. Explain work measurement. Explain various methods of work measurement. 20
5. Explain : 20
(i) Economic order quality
(ii) Economic Batch quality.

SECTION - C

6. Explain the concept of quality assurance system with suitable examples. 20
7. Define PPC. Explain its objectives and variables. 20

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SECTION - D

8. What is MIS ? What is the importance of MIS ? Explain the role of MIS in decision making. 20
9. (a) What is value engineering. 5
(b) Explain role of Ergonomics in product design. 15

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