Roll No.

24359

B. Tech. 6th Semester (ME)

Examination - May, 2014

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 any five Questions in total, at least one question from each section. Question No. 1 is compulsory. Each question carries equal marks (20 marks).

- 1. Explain the following:
 - (a) Therbligs
 - (b) Financial Incentives
 - (c) Fixed and Variable cost

20

(e) Statistical Quality Control.	
(f) Introduction to JIT	
(g) Management Information System	85
(h) Objectives of PPC	
(i) Work Sampling	
(j) Gantt Chart	
SECTION - A	
2. (a) Explain the various work sampling techniques detail.	in 10
(b) Discuss the various techniques of method studies in detail	
3. (a) What do you mean by the term "Productivity" ar	
(b) Describe the various methods of Job Evaluation and merit rating.	on 10
SECTION - B	
(a) Discuss the economic order quantity an economic batch quantity in detail.	rd 10
(b) Explain the following:	0
(i) ABC Analysis	
(ii) FSN Analysis	
(a) Explain the direct, indirect and overhead costs i detail.	n O
(b) Explain the following:	0

(i) Break oven analysis

SECTION - C

6. (a) What is plan? Exp	single, double and multiple sar	mpling 10
(b) What are control cha	X, R and P charts? Explain the parts for variables.	rocese
7. (a) Explain the their impo	ne concept of TQM and ISO-900 ortance in industries.	00 and
(b) Explain t intermitter	the various methods of line nt production systems.	and 10
, ¹	SECTION - D	
3. (a) What is MI role of MIS	IS? Explain the importance of MI in decision making.	S and 10
(b) Explain the	following:	10
	izing information systems	* · ·
(ii) System	analysis and design.	
(a) Explain in d Simplification	etail the concept of 3Ss - Standardizon and Specialization.	ation,
(b) "Value Eng	ineering is a powerful cost redu fy. Discuss the various field	ction
application	of value engineering.	s of 10
	08.	, 0