

Code: ME6T5

III B.Tech - II Semester – Regular Examinations – April 2016

**INDUSTRIAL ENGINEERING & MANAGEMENT
(MECHANICAL ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1.

a) Explain the role of Industrial engineer in modern scenario.

7 M

b) Describe Hertzberg's Two Factor Theory of motivation.

7 M

2.

a) Describe about merits and demerits of matrix organization.

7 M

b) Write short notes on lean and flat organization structure.

7 M

3.

a) Describe about the types of leadership based on authority.

8 M

b) Explain the method of traits approach to leadership.

6 M

4.

a) Explain different types of plant layout techniques. 9 M

b) What are the objectives of plant layout? 5 M

5.

a) Describe differences between micro motion and memo motion studies. 7 M

b) List out the steps involved in method study. 7 M

6.

a) Write short notes on standard time calculation. 6 M

b) Explain different methods of performance rating in work measurement. 8 M

7. Balance the activities by drawing the precedence diagram and arrange the work elements in such a manner that idle time is minimized. 14 M

JOB	PRECEDING ELEMENT	DURATION IN SEC
A	-	3
B	A	2
C	B	4
D	B	3
E	C	6
F	C	1
G	D,E,F	5
H	G	2

8.

a) Explain briefly the procedures of ISO 9000 Series. 7 M

b) Discuss about various statistical quality control techniques. 7 M