



(Pages : 2)

1708

Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, April/May 2012
(2008 Scheme)
08.802 : INDUSTRIAL ENGINEERING (MPU)**

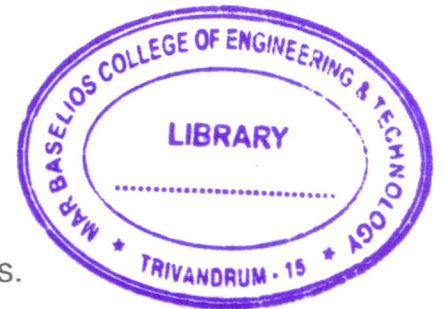
Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions.

1. What is industrial engineering ? Explain the various fields of application of it.
2. What is C-V-P analysis ?
3. Explain briefly the elements of FMS.
4. Distinguish between preventive and breakdown maintenance.
5. What are Therbligs ?
6. What is value engineering ?
7. Explain the need for effective communication in industries.
8. Explain bath tub curve.
9. What is bench marking ?
10. Explain different dimensions of quality.



(10×4=40 Marks)

P.T.O.



PART – B

(Answer **any one** question from **each** Module.)

Module – 1

11. a) Explain in detail the evolution of industrial engineering. What are the functions of Industrial engineering ? 12
b) How will you take a make or buy decision ? 8
12. a) Explain the need for accelerated product development in modern world. 10
b) What are the different stages in product development ? 10

Module – 2

13. a) Explain the relationship between method study and work measurement. How do they differ ? 10
b) Explain the basic steps in method study. 10
14. a) Explain in detail the essentials of a good wage incentive plan. 10
b) Explain the principles of motion economy related to use of tools. 10

Module – 3

15. a) Explain various functions of production planning and control. 12
b) Derive an expression for Economic Order Quantity (EOQ). What are its assumptions ? 8
16. Write short notes on the following :
a) ISO 9000 series.
b) Quality circles.
c) Defects charts and defectives chart.
d) Six sigma

(4×5=20 Marks)
(3×20=60 Marks)