

B.Tech.(ME) (2012 Onwards) (Sem.-7,8)
INDUSTRIAL ENGINEERING AND MANAGEMENT
Subject Code : BTME-801
M.Code : 71994

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt ANY FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt ANY TWO questions.

SECTION-A

1. Answer briefly:

- a. Define industrial engineering.
- b. Enumerate the functions of management.
- c. What do you understand by decision support system?
- d. What are the 5 levels of Maslow hierarchy?
- e. Which are the major factors affecting plant location?
- f. Define line balancing.
- g. Under what conditions is group technology layout appropriate?
- h. Explain the relationship between work study and management.
- i. Enumerate different approaches to decision making in organizations.
- j. Define Delegation of authority.

SECTION-B

2. Discuss the job responsibilities of an Industrial engineer.
3. Explain fourteen principles of management proposed by Fayol.
4. Define Plant Layout. Discuss following types of plant layout :
 - a. Process layout
 - b. Group technology
 - c. Fixed position layout
5. What is Productivity? Give various ways to improve productivity and also Explain at least one way, with the help of suitable example.
6. Define Method Study and explain technique with its various steps?

SECTION-C

7.
 - a. Explain Frederick Herzberg's Two Factor Theory for improving motivation and performance of employees.
 - b. Describe the hierarchy, principles and dimensions of planning function.
8.
 - a. What is organization and its types? Explain salient features, advantages and applications of various types of organizations.
 - b. State the relationship between cumulative timing and fly back timing. How standard time is calculated?
9.
 - a. Briefly describe systems approach to management.
 - b. What are various types of values? Explain each one of them.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.