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Total No. of Pages : 02

Total No. of Questions : 18

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

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS 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**Answer briefly:**

1. Enumerate the scope of industrial engineering.
2. Enumerate the functions of management.
3. State objective of good plant layout.
4. Why is the Maslow hierarchy of needs important?
5. What is work sampling?
6. Why is hierarchy of planning important?
7. What do you understand by group technology layout?
8. Enumerate different approaches to decision making in organizations.
9. Enumerate the principles of delegation of authority.
10. Value Engineering is a powerful cost reduction tool. Justify.



**SECTION-B**

11. Discuss the relevance of Industrial engineering for achieving performance excellence in industry.
12. What is McGregor's Theory X and Theory Y? How does Theory X and Y motivate employees?
13. Explain the salient features, applications and limitations of Matrix organizations.
14. What is plant layout? Discuss different plant layouts giving suitable examples.
15. Differentiate between method study and work measurement. How is productivity increased by these methods?

SECTION-C

16.
 - a) What is Taylor's Scientific Management? What are the major elements of Taylor's Scientific Management?
 - b) Describe the hierarchy, principles and dimensions of planning function.
17.
 - a) What is Organization? Explain the characteristics of formal and informal organizations.
 - b) Discuss the procedure establish standard time for completion of a job.
18.
 - a) Briefly describe dimensions of planning function in an organization.
 - b) What do you mean by value engineering? Discuss phases involved in conducting a value engineering study.

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.

