

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 09

**B.Tech. (Food Technology) (Sem.-6)**  
**FUNDAMENTALS OF MANAGEMENT FOR ENGINEERS**  
Subject Code : HSMC-302-19  
M.Code : 91965  
Date of Examination : 02-07-22

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**

**1. Write briefly :**

- a) Explain the functions of management in an organization.
- b) Enumerate the managerial challenges faced by managers in performing their duties.
- c) What are Lean manufacturing tools?
- d) What is the concept of Six Sigma?
- e) Differentiate between marketing and selling.
- f) Explain the factors tending to reduce productivity.
- g) List the applications of value engineering.
- h) "*Value Engineering is a powerful cost reduction tool*". Justify.
- i) Enumerate the charts and diagrams used for recording data.
- j) Enumerate the objectives of personnel management.

### SECTION-B

2. What are the levels of management and what do they mean?
3. Define Lean Manufacturing. What are principles of Lean manufacturing?
4. Discuss the stages of supply chain giving examples for supply chain process cycle.
5. List the various Therbligs with their symbols. Explain applications of micro motion study.
6. Explain the principles of a good personnel policy.

### SECTION-C

7.
  - a) Differentiate between the process and product types of layouts and give their applications.
  - b) Explain the 10 step approach to total quality by Juran.
8.
  - a) What is standard time for completing a job? Discuss various allowances given to operators/workers.
  - b) Discuss phases involved in conducting a value engineering study.
9.
  - a) Explain the criteria for recruitment and selection of employees at workplace.
  - b) Write short note on any one of the following :
    - i) Market segmentation
    - ii) Predetermined motion time 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.**