

**MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR**  
**SEMESTER END THEORY EXAMINATION, B.Tech. (Dairy Technology)**

Semester	: VIII (V Dean)	Academic Year	: 2022-2023
Course No.	: DT-811	Course Title	: Dairy Plant Management
Credits	: 1+1=2	Total Marks	: 50
Day & Date	: Wednesday, 10/05/2023	Time	: 2.00 hrs.

**Note:**

- 1) All questions from **Section 'A'** are compulsory.
- 2) Solve **Any Three** questions from **Section 'B.'**
- 3) Draw neat and well labeled diagram wherever necessary.

## SECTION – 'A'

- Q. 1 A) Define the following. (05)
- Staffing
  - Work-study
  - Job enhancement
  - Preventive maintenance
  - Training
- B) Do as directed. (05)
- Which act was passed in year 2006 by overruling the all other food related laws?
  - What is mean by Method study + Time study?
  - What is ultimate objective of production planning and control?
  - Write the two examples of gaseous lubricants?
  - What is the mean of ABC analysis?
- Q. 2 A) State whether True or False. If false, rewrite the statement after making necessary corrections in underlined word. (05)
- Milk loss is the difference of total milk solids inputs and net utilization.
  - In India, about 19 % of total commercial energy is consumed in industries and utilities.
  - Job enrichment determines the relative worth or money value of jobs.
  - HRM is the strategic approach to the effective and efficient management of people in a company or organization.
  - Preventive maintenance consists of inspecting, servicing, and cleaning the equipment.
- B) Choose the most appropriate answer from the options given below. (05)
- Which type of jewellery must not be worn while on the job?
    - Rings
    - Watches
    - Badges
    - All of these
  - Manufacturing cost of milk and milk products normally comprises ..... of raw material-milk solids cost.
    - 50 - 55 %
    - 65 - 75 %
    - 80 - 85 %
    - 95 %
  - ..... is the process of searching for prospective employees and stimulating them to apply for jobs in the organization.
    - Selection
    - Recruitment
    - Job enrichment
    - Man power planning

(P.T.O.)

- iv) The coordination between different machines, equipment's to prevent a breakdown is called as .....
- a) Synchronization
  - b) Management
  - c) Preventive maintenance
  - d) Breakdown maintenance
- v) The degree of impurities removal depends on .....
- a) Length of the retention period
  - b) Size of suspended particles
  - c) Temperature of water
  - d) All of these

**SECTION – 'B'**

- Q. 3 A) Describe provisions of industrial legislation in India for the dairy industry. (05)  
B) What are the sources of losses in dairy plants and suggest suitable measures to avoid the same? (05)
- Q. 4 A) Explain motion study. (05)  
B) What is a lubrication system? Write the benefits of the lubrication system. (05)
- Q. 5 Write short notes on.  
A) Factors affecting manpower planning (03)  
B) Promotion policies (03)  
C) Management by Objectives (04)
- Q. 6 A) Clarify in short - Effect of HACCP and ISO on the Indian dairy industry. (03)  
B) Differentiate between recruitment and selection. (03)  
C) Describe the points to improve the efficiency of the plant in detail. (04)
- Q. 7 What is meant by production management? Elucidate how this function is carried out in a dairy plant.

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