

CBSE Question Paper – 2010

MILK PRODUCTION, TRANSPORT AND MILK COOPERATIVES

(Theory) Paper II

Class – XII

Time allowed: 2 hours

Maximum Marks: 30

Instructions: Attempt all questions.

1. (a) Draw a cross-section of udder and label its parts. 2
- (b) Complete the sentences with appropriate words:
- (i) Milk synthesis takes place in the _____ where the milk secreting cells in the mammary gland are provided with a continuous supply of nutrients. $\frac{1}{2}$
- (ii) About _____ liters of blood had to flow through the udder to produce one liter of milk. $\frac{1}{2}$
- (c) Explain the steps or process of milk letdown

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| | | 2 |
| 2. (a) | What is the principal of machine milking? | 1 |
| (b) | Name three methods of hand milking. Explain the methodology of any one. | 2 |
| (c) | What are the characteristics of Clean Milk? | 1 |
| 3. (a) | What are the principle constituents of Milk? | 1 |
| (b) | What is the difference between cow and buffalo Milk? | 1 |
| (c) | A milk containing 3.5% fat, 4.5% lactose and 4% protein will supply _____ calories of energy per 100gm of milk. | 1 |
| (d) | Identify any two managemental factors affecting the fat content of the milk and explain its effects on milk fat content. | 2 |
| 4. (a) | Enlist the different methods of chilling milk at a farm. | 2 |
| (b) | Define Homogenization Of Milk. What are its advantages and disadvantages? | 2 |
| (c) | Draw a flow chart indicating stages of operation for processing of market milk. | 2 |
| 5. (a) | Name any four milk packaging materials. | 1 |
| (b) | Draw a flow chart of steps involved in packaging of milk in a pouch. | 2 |
| (c) | List out the advantages and disadvantages of bottles as the milk packaging material. | 1 |
| 6. (a) | Classify the different types of spoilage of milk based on the organisms | |

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Involved and the sings of spoilage.

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- (b) Enlist the four basic principles of co – operation. Specify the functions of Village level society.

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