

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

**CLASS: IMSc
BRANCH: FT**

**SEMESTER : VI
SESSION : SP/2024**

SUBJECT: FT323 DAIRY TECHNOLOGY

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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Q.1(a)	Classify different breeds of Indian cattle.	[5] I	II
Q.1(b)	State the general features of exotic breeds of cattle.	[5] I	I
Q.2(a)	Discuss the various of Indian traditional dairy products.	[5] III	II
Q.2(b)	Describe the different types of Khoa and their preparative method.	[5] II	II
Q.3(a)	Compare the fat-rich and low-fat dairy products.	[5] III	IV
Q.3(b)	Discuss the physico-chemical differences between fats of buffalo and cow milk.	[5] IV	II
Q.4(a)	Compare the principles of evaporation and vaporization processes	[5] II	VI
Q.4(b)	Evaluate the rate of drying and evaporation processes used to produce skimmed milk	[5] III	VI
Q.5(a)	Explain the importance of dairy plant design	[5] V	II
Q.5(b)	Design a small scale dairy plant	[5] V	VI

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