MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester	: V (New)	Term	: I	Academic Year	: 2017-18
Course No.	: ASDS 353				
Credits	: 2(1+1)	Title	: Technology of Milk and Milk Products		
Day & Date	: Thursday, 16.11.2017	Time	: 14.00 to 16.00	Total Marks	: 40

Note :
1. Solve **ANY EIGHT** questions from **SECTION "A"**.
2. All questions from **SECTION "B"** are compulsory.
3. All questions carry equal marks.
4. Draw neat diagrams wherever necessary.

SECTION "A"

Q.1 Enlist different sources of contamination of milk and write in brief about feed and milker source.

Q.2 Define milk. Draw tree diagram of milk constituents.

Q.3 Define dahi. Give the classification and nutritional importance of dahi.

Q.4 What are the different modes of transportation of milk followed in India? Which problems are faced during collection and transportation of milk under Indian conditions?

Q.5 Enlist methods of pasteurization of milk. Explain in brief about uperization.

Q.6 Give the factors affecting composition of milk. Explain in brief any two.

Q.7 Classify the milk products on the basis of methods of production. Give classification of khoa with its specific use.

Q.8 Which are the different materials used for packaging of milk and milk products? Give ideal characteristics of packaging material.

Q.9 What is mean by standard? Enlist government agencies involved for the regulation of standards of traditional dairy products. Why there is necessity of standard for food?

Q.10 Write short notes (Any Two).

a) Significance of microorganisms in milk
b) Operation flood programme
c) Nutritional importance of lactose in milk

SECTION "B"

Q.11 Do as directed.

1) Name the instrument used for determination of viscosity of milk.
2) _____is the principle protein present in milk.
3) Single toned milk contains_____ per cent of SNF.
4) Write full form of AMUL.

Q.12 Define the following terms.

1) Market milk
2) Standardization
3) Homogenization
4) Over-run in ice cream

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