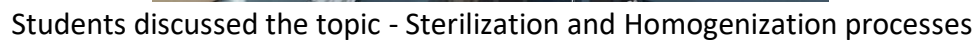


# Govt. Degree College, Rajampeta, Annamayya Dt.

## Department of ZOOLOGY

Academic year: 2024-25

1. Name of the Activity	GROUP DISCUSSION
2. Name of the Lecturer	Dr. N. Chandra Mohan
3. Date	25-10-2024
4. Number of students participated	17
5. Number of faculty involved	1
6. Aim & Objectives:	
<ul style="list-style-type: none"><li>• To gain knowledge about the importance of Sterilization and Homogenization processes in dairy industry.</li><li>• To change the class environment.</li><li>• To enhance the thinking power of students.</li><li>• To improve the discussion skills of students.</li></ul>	
7. Brief Report:	
<p>➤ I ( Dr. N. Chandra Mohan) was conducted a Group Discussion Programme III BZC Students on 25-10-2024.</p> <p>➤ From this programme the students were discussed the topics importance of 'Sterilization and Homogenization processes in dairy industry'.</p> <p>➤ Sterilization is a process that destroys or eliminates all microorganisms, spores, and viruses on a surface or in a fluid. It is used in healthcare facilities to prevent the transmission of disease. Sterilization can be achieved through physical or chemical methods, such as steam, dry heat, hydrogen peroxide gas plasma, or liquid chemicals.</p> <p>➤ Homogenization implies mechanical treatment to break fat globules into smaller size of 2µm or less and uniformly disperse them in milk. Homogenization in the dairy industry is used principally to prevent or delay the formation of a cream layer in full cream milk by reducing the diameter of the fat globules. After homogenization, size of fat globules becomes less than 2µm. The average size of milk fat globule in milk is 2-12µm. The number of fat globules is 3-4 billion in a milliliter of milk. Homogenization was introduced by Bittenberg (1903) of Germany, and later developed in 1904 in London and the milk produced by this process was known as 'Gaulin milk'.</p>	
<u>Discussed points:</u>	
<ul style="list-style-type: none"><li>● Definition of milk, Definition of sterilization and Definition of Homogenization.</li><li>● Processes and importance of Sterilization and homogenization processes in dairy industry.</li></ul>	



Organized by : Dr. N. Chandra Mahan.

Q. 10

Signature of the lecturer: Dr. N. Chandra Mohan
