



8	<p>What is the basis of money payment?</p> <p>a) Vitamin Content b) Mineral content c) Carbohydrate content d) Fat content</p>	1.5 marks	<b>CO1</b>
9	<p>Which one is a platform test?</p> <p>a) Garber Test b) Kjeldal Test c) Alcohol Test d) Fehling Test</p>	1.5 marks	<b>CO4</b>
10	<p>Grade C milk is used for production of: -</p> <p>a) Curd b) Cheese c) Paneer d) Yoghurt</p>	1.5 marks	<b>CO1</b>
11	<p>HTST means: -</p> <p>a) High Temperature Short Time b) Happy temperature short time c) Harsh temperature safety time d) None of the above</p>	1.5 marks	<b>CO1</b>
12	<p>What is temperature and duration of LTLT?</p> <p>a) 72 °C for 15 minutes b) 63 °C for 30 minutes c) 72 °C for 30 minutes d) 72 °C for 15 seconds</p>	1.5 marks	<b>CO5</b>
13	<p>What is the fat and SNF percentage of whole milk?</p> <p>a) 6 and 9% b) 4.5 and 8.5% c) 1.5 and 9% d) 3 and 9%</p>	1.5 marks	<b>CO5</b>
14	<p>Write two differences between dahi and yoghurt.</p>	1.5 marks	<b>CO1</b>
15	<p>What is CIL?</p> <p>a) Clean in place b) Clean in point c) Clear in process d) Clear in point</p>	1.5 marks	<b>CO5</b>
16	<p>Pressure used in single stage homogenization: -</p> <p>a) 1500 psi pressure b) 2000 psi pressure c) 2500 psi pressure d) 1000 psi pressure</p>	1.5 marks	<b>CO5</b>
17	<p>Indicator microorganism of sterilization: -</p> <p>a) <i>Coxiella burnetiid</i> b) <i>Lactobacillus bulgaricus</i></p>	1.5 marks	<b>CO1</b>

	c) <i>Clostridium botulinum</i> d) <i>E. coli</i>		
18	Yoghurt incubation temperature is: - a) 43 °C b) 38 °C c) 35 °C d) 30 °C	1.5 marks	CO5
19	Name the alcoholic fermented milk products: - a) Kefir b) Acidophilus milk c) Kumiss d) Both a and c	1.5 marks	CO1
20	Principle of cream separator is: - a) Chemical nature b) Strength of milk components c) Density difference d) Melting point Difference	1.5 marks	CO5
<b>SECTION B (4Qx5M=20 Marks)</b>			
Q	Short Answer Type Question (5 marks each)	<b>20 Marks</b>	<b>CO</b>
1	Why is milk known as complete food? What is the nutritive value & importance of milk?	<b>5</b>	<b>CO3</b>
2	Describe briefly about the physical properties of milk?	<b>5</b>	<b>CO4</b>
3	What is homogenization? Discuss the theory and type of homogenization?(1+2+2 mark)	<b>5</b>	<b>CO1</b>
4	What is Acidophilus milk? Describe the processing of acidophilus milk? (1+4 marks)	<b>5</b>	<b>CO2</b>
<b>SECTION C (2Qx15M=30 Marks)</b>			
Q	<b>Two case studies 15 marks each subsection</b>	<b>30 Marks</b>	<b>CO</b>
1	a) What is spray drying? Energy consumption and role of cyclone separator? (2+3+3 marks) b) What is butter? FSSAI specifications for butter and preparation procedure? (1+2+4 marks)	<b>15</b>	<b>CO3</b>
2	a) What is cleaning and sanitization? Different Cleaning and Sanitization agents used in milk industry? (2+6 marks) b) What is CIP? Importance and procedure of CIP? (1+2+4 marks)	<b>15</b>	<b>CO2</b>
<b>SECTION- D (2Qx10M=20 Marks)</b>			
Q	Long Answer type Questions (10 marks each)	<b>20 Marks</b>	<b>CO</b>
1	What is cheese? Differentiate between paneer and cheese? Describe cottage cheese preparation? (2+4+4 marks)	<b>10</b>	<b>CO5</b>
2	What is the advantages of milk powders? Write down the FSSAI specifications for milk powders? Write different types of milk powder? (3+4+3 marks)	<b>10</b>	<b>CO4</b>