

GOVERNMENT SCIENCE COLLEGE,

Class: 2019-20

Semester: _____

Division: _____

Batch No: _____

Date of Practicals taken

Roll No.	Name of the Student	Group/ Subject	22/07/19	23/07/19	24/07/19	25/07/19	26/07/19	27/07/19	28/07/19	29/07/19	30/07/19	31/07/19	01/08/19	02/08/19	03/08/19
			1	2	3	4	5	6	7	8	9	10	11	12	
1	Kejri M. ATODHANI	T.Y.BSc	Prb	Prb	Prb	Prb	Prb	Prb	Prb	Prb	Prb	Prb	Prb	Prb	A
2	ANIMESH V. CHAUDHARI	V	Animesh	Animesh	Animesh	Animesh	Animesh	Animesh	Animesh	Animesh	Animesh	Animesh	Animesh	Animesh	Animesh
3	Anjali A. choudhary	11	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah
4	Amrta A. choudhary	11	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah
5	Asmita A. choudhary	11	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah	A.Ah
6	Hanna M. choudhary	11	Hanna	Hanna	Hanna	Hanna	Hanna	Hanna	A	Hanna	Hanna	Hanna	Hanna	Hanna	Hanna
7	Kaushik D. choudhary	11	Kaushik	Kaushik	Kaushik	Kaushik	Kaushik	Kaushik	A	Kaushik	Kaushik	Kaushik	Kaushik	Kaushik	Kaushik
8	Khashboo S. choudhary	11	Kcha	Kcha	Kcha	Kcha	Kcha	Kcha	Kcha	Kcha	Kcha	Kcha	Kcha	Kcha	Kcha
9	Krupa M. choudhary	11	Krc	A	Krc	Krc	Krc	Krc	Krc	Krc	A	Krc	Krc	Krc	Krc
10	Maryuz S. choudhary	11	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)
11	Meghna A. choudhary	11	Megha	Megha	Megha	Megha	Megha	Megha	A	Megha	Megha	Megha	Megha	Megha	Megha
12	Mishra D. choudhary	11	Mish	Mish	Mish	Mish	Mish	Mish	Mish	Mish	Mish	Mish	Mish	Mish	Mish
13	Mishra A. choudhary	11	M	M	M	M	M	M	M	M	M	M	M	M	M
14	PRAGATI C. choudhary	11	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati
15	Pratiksha D. choudhary	11	Pratik	A	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	A	Pratik	Pratik
16	Priyanka N. choudhary	11	Priy	Priy	Priy	Priy	Priy	Priy	Priy	Priy	Priy	Priy	Priy	Priy	Priy
17	Priyanka V. choudhary	11	Priy	Priy	Priy	Priy	Priy	Priy	Priy	Priy	Priy	Priy	Priy	Priy	Priy
18	Sneha K. choudhary	11	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	A	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
19	Sneha J. choudhary	11	Sneha	Sneha	A	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
20	Tanika B. choudhary	11	Tanika	Tanika	Tanika	Tanika	Tanika	Tanika	Tanika	Tanika	Tanika	Tanika	Tanika	Tanika	Tanika
21	Tushar K. choudhary	11	Tush	Tush	Tush	Tush	Tush	Tush	A	Tush	Tush	Tush	Tush	Tush	Tush
22	Krutika A. choudhary	11	Krutika	Krutika	Krutika	Krutika	Krutika	Krutika	Krutika	Krutika	Krutika	Krutika	Krutika	Krutika	Krutika
23	Abhishek V. Dohariya	11	Abhis	A	Abhis	Abhis	Abhis	Abhis	Abhis	Abhis	Abhis	Abhis	Abhis	A	Abhis
24	Nisha J. Gurnit	11	Nisha	Nisha	A	Nisha	Nisha	Nisha	Nisha	Nisha	Nisha	Nisha	Nisha	Nisha	A
25	Samyukta A. Gurnit	11	Samyuk	Samyuk	Samyuk	Samyuk	Samyuk	Samyuk	Samyuk	Samyuk	Samyuk	A	Samyuk	Samyuk	Samyuk
26	Sonal D. Gurnit	11	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal
27	Tejasvini A. Gurnit	11	Tejas	Tejas	Tejas	Tejas	Tejas	A	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas
28	Shivani S. Gandhi	11	A	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani
29	Digvijay Singh N. Kesari	T.Y	Digvijay	Digvijay	Digvijay	Digvijay	Digvijay	Digvijay	Digvijay	Digvijay	Digvijay	Digvijay	Digvijay	Digvijay	Digvijay
30	Priti M. Kher	11	Prk	Prk	A	Prk	Prk	Prk	Prk	Prk	A	Prk	Prk	Prk	A
31	Tanvi B. Kher	11	Tanvi	Tanvi	Tanvi	Tanvi	Tanvi	Tanvi	Tanvi	Tanvi	Tanvi	Tanvi	Tanvi	Tanvi	Tanvi
32	Apeksha H. Kosada	11	AHK	AHK	AHK	AHK	AHK	AHK	AHK	AHK	AHK	AHK	AHK	AHK	AHK
33	Bhumi H. Kosada	11	Bhumi	Bhumi	Bhumi	Bhumi	Bhumi	Bhumi	Bhumi	Bhumi	Bhumi	Bhumi	Bhumi	Bhumi	Bhumi
34	Poojashri D. Mahida	11	Poojash	Poojash	Poojash	Poojash	Poojash	Poojash	Poojash	Poojash	Poojash	Poojash	Poojash	Poojash	Poojash
35	Nilam N. Mangrulkar	11	Nilam	Nilam	Nilam	Nilam	Nilam	Nilam	Nilam	Nilam	Nilam	Nilam	Nilam	Nilam	Nilam
36	Shivani V. Mangrulkar	11	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani
37	Zeel M. More	11	Zeel	Zeel	Zeel	Zeel	Zeel	Zeel	Zeel	Zeel	Zeel	Zeel	Zeel	Zeel	Zeel
38	Bhakti M. Patel	11	Bhakti	Bhakti	A	Bhakti	Bhakti	Bhakti	Bhakti	Bhakti	Bhakti	Bhakti	Bhakti	Bhakti	A
39	Bhoomika A. Patel	11	Bhoomika	Bhoomika	Bhoomika	Bhoomika	Bhoomika	Bhoomika	Bhoomika	Bhoomika	Bhoomika	Bhoomika	Bhoomika	Bhoomika	Bhoomika
40	DINKAL N. PATEL	11	A	Dinkal	Dinkal	Dinkal	A	Dinkal	Dinkal	Dinkal	Dinkal	Dinkal	Dinkal	Dinkal	Dinkal

Aim or Details of the Practical / Exercise performed on the said date

Sign. of Teacher/Lab In-charge

(Handwritten signatures of teachers/lab in-charge for each date)

VANKAL TA. MANGROL DIST. SURAT

Roll Call Register for the Practicals of the 1st / 2nd Term Month _____ Year _____

Date of Practicals taken

05/08/19	06/08/19	07/08/19	08/08/19	09/08/19	12/08/19	13/08/19	14/08/19	16/08/19	17/08/19	19/08/19	20/08/19	21/08/19	22/08/19	23/08/19	24/08/19	25/08/19	26/08/19	27/08/19	28/08/19	29/08/19	30/08/19
																	Whether journal certified for the term/28	Remarks			
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V

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(Handwritten marks and signatures at the bottom of the page)

Government Science College, Vankal

Short term Course: Biochemical and Microbiological analysis of milk

Course Code: STCMB03

Duration: 30 hours (1 hours per lecture)

Time Table

Day	Module	Topic	Hours
1	Module 1: Introduction to Milk Composition and Properties	Composition of milk (proteins, fats, carbohydrates, vitamins, minerals)	1
2	Module 1: Introduction to Milk Composition and Properties	Physical properties of milk (density, viscosity, pH)	1
3	Module 1: Introduction to Milk Composition and Properties	Factors affecting milk composition and quality	1
4	Module 2: Chemical Analysis of Milk	Determination of fat content (Gerber method, Babcock method)	1
5	Module 2: Chemical Analysis of Milk	Measurement of protein content (Kjeldahl method)	1
6	Module 2: Chemical Analysis of Milk	Detection of adulterants and contaminants	1
7	Module 3: Microbiological Analysis of Milk	Introduction to milk microbiology	1
8	Module 3: Microbiological Analysis of Milk	Common microbial contaminants in milk	1
9	Module 3: Microbiological Analysis of Milk	Standard plate count (SPC) method	1
10	Module 3: Microbiological Analysis of Milk	Coliform count and E. coli testing	1
11	Module 4: Milk Quality and Safety Standards	National and international milk quality standards (e.g., FDA, EU regulations)	1
12	Module 4: Milk Quality and Safety Standards	Good manufacturing practices (GMP) in dairy production	1
13	Module 4: Milk Quality and Safety Standards	Hazard Analysis Critical Control Point (HACCP) system in dairy industry	1
14	Module 5: Practical Sessions	Hands-on lab sessions for chemical analysis techniques	1
15	Module 5: Practical Sessions	Hands-on lab sessions for chemical analysis techniques	1
16	Module 5: Practical Sessions	Hands-on lab sessions for chemical analysis techniques	1
17	Module 5: Practical Sessions	Hands-on lab sessions for chemical analysis techniques	1

Day	Module	Topic	Hours
		techniques	
18	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
19	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
20	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
21	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
22	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
23	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
24	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
25	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
26	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
27	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
28	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
29	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
30	Module 5: Practical Sessions	Review and Q&A on practical sessions	1

Government Science College, Vankal

Short term Course: Biochemical and Microbiological analysis of milk

Course Code: STCMB03

Duration: 30 hours (1 hours per lecture)

Syllabus covered

Day	Module	Topic	Hours
1	Module 1: Introduction to Milk Composition and Properties	Composition of milk (proteins, fats, carbohydrates, vitamins, minerals)	1
2	Module 1: Introduction to Milk Composition and Properties	Physical properties of milk (density, viscosity, pH)	1
3	Module 1: Introduction to Milk Composition and Properties	Factors affecting milk composition and quality	1
4	Module 2: Chemical Analysis of Milk	Determination of fat content (Gerber method, Babcock method)	1
5	Module 2: Chemical Analysis of Milk	Measurement of protein content (Kjeldahl method)	1
6	Module 2: Chemical Analysis of Milk	Detection of adulterants and contaminants	1
7	Module 3: Microbiological Analysis of Milk	Introduction to milk microbiology	1
8	Module 3: Microbiological Analysis of Milk	Common microbial contaminants in milk	1
9	Module 3: Microbiological Analysis of Milk	Standard plate count (SPC) method	1
10	Module 3: Microbiological Analysis of Milk	Coliform count and E. coli testing	1
11	Module 4: Milk Quality and Safety Standards	National and international milk quality standards (e.g., FDA, EU regulations)	1
12	Module 4: Milk Quality and Safety Standards	Good manufacturing practices (GMP) in dairy production	1
13	Module 4: Milk Quality and Safety Standards	Hazard Analysis Critical Control Point (HACCP) system in dairy industry	1
14	Module 5: Practical Sessions	Hands-on lab sessions for chemical analysis techniques	1
15	Module 5: Practical Sessions	Hands-on lab sessions for chemical analysis techniques	1
16	Module 5: Practical Sessions	Hands-on lab sessions for chemical analysis techniques	1
17	Module 5: Practical Sessions	Hands-on lab sessions for chemical analysis techniques	1

Day	Module	Topic	Hours
		techniques	
18	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
19	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
20	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
21	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
22	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
23	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
24	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
25	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
26	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
27	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
28	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
29	Module 5: Practical Sessions	Practical exercises in microbiological testing methods	1
30	Module 5: Practical Sessions	Review and Q&A on practical sessions	1



सत्यमेव जयते

Government of Gujarat

GOVERNMENT SCIENCE COLLEGE, VANKAL

DEPARTMENT OF MICROBIOLOGY



Sr. No. SCTMB03/2019-20/30

Date: 30/08/2019

This is to certify that Mr. / Ms. Priti M. Kher has successfully completed **Short Term Certificate Course** of 30 hours on STCMB03: Biochemical & Microbiological Analysis of Milk offered by Department of Microbiology from 22/07/2019 to 27/08/2019 and secured “A” grade during performance evaluation.

Principal

Course Coordinator

Head of the Department



सत्यमेव जयते

Government of Gujarat

GOVERNMENT SCIENCE COLLEGE, VANKAL

DEPARTMENT OF MICROBIOLOGY



Sr. No. SCTMB03/2019-20/37

Date: 30/08/2019

This is to certify that Mr. / Ms. Zeel M. More has successfully completed **Short Term Certificate Course** of 30 hours on STCMB03: Biochemical & Microbiological Analysis of Milk offered by Department of Microbiology from 22/07/2019 to 27/08/2019 and secured “A” grade during performance evaluation.

Principal

Course Coordinator

Head of the Department



सत्यमेव जयते

Government of Gujarat

GOVERNMENT SCIENCE COLLEGE, VANKAL

DEPARTMENT OF MICROBIOLOGY



Sr. No. SCTMB03/2019-20/55

Date: 30/08/2019

This is to certify that Mr. / Ms. Dipal J. Chaudhari has successfully completed **Short Term Certificate Course** of 30 hours on STCMB03: Biochemical & Microbiological Analysis of Milk offered by Department of Microbiology from 22/07/2019 to 27/08/2019 and secured “A” grade during performance evaluation.

Principal

Course Coordinator

Head of the Department



सत्यमेव जयते

Government of Gujarat

GOVERNMENT SCIENCE COLLEGE, VANKAL

DEPARTMENT OF MICROBIOLOGY



Sr. No. SCTMB03/2019-20/74

Date: 30/08/2019

This is to certify that Mr. / Ms. Chauhan Mehul R. has successfully completed **Short Term Certificate Course** of 30 hours on STCMB03: Biochemical & Microbiological Analysis of Milk offered by Department of Microbiology from 22/07/2019 to 27/08/2019 and secured “A” grade during performance evaluation.

Principal

Course Coordinator

Head of the Department



सत्यमेव जयते

Government of Gujarat

GOVERNMENT SCIENCE COLLEGE, VANKAL

DEPARTMENT OF MICROBIOLOGY



Sr. No. SCTMB03/2019-20/05

Date: 30/08/2019

This is to certify that Mr. / Ms. Asmita R. Chaudhari has successfully completed **Short Term Certificate Course** of 30 hours on STCMB03: Biochemical & Microbiological Analysis of Milk offered by Department of Microbiology from 22/07/2019 to 27/08/2019 and secured “A” grade during performance evaluation.

Principal

Course Coordinator

Head of the Department

Government Science College, Vankal
Department of Microbiology
Short term course (2019-20)
Course Name: Biochemical & Microbiological Analysis of milk

Roll No:

Date:27/08/2019

1. Which enzyme is commonly measured in milk to assess pasteurization efficiency?
A) Lactase B) Lipase C) Alkaline phosphatase D) Amylase
2. What is the primary purpose of the Methylene Blue Reduction Test in milk analysis?
A) To detect the presence of coliforms B) To measure the microbial load
C) To determine the fat content D) To test for antibiotic residues
3. Which of the following is a common method to determine the fat content of milk?
A) Kjeldahl method B) Gerber method C) Babcock method D) Both B and C
4. What does the presence of high levels of somatic cells in milk indicate?
A) High fat content B) Potential mastitis in dairy cattle
C) High bacterial contamination D) Low protein content
5. Which test is used to measure the protein content of milk?
A) Fatty acid profile B) Lactometer test C) Kjeldahl test D) Alcohol test
6. In microbiological analysis, which organism is commonly used as an indicator of milk spoilage?
A) Streptococcus lactis B) Escherichia coli C) Lactobacillus acidophilus D) Bacillus cereus
7. What is the purpose of the Standard Plate Count (SPC) in milk analysis?
A) To determine fat content B) To measure the number of viable bacteria
C) To detect antibiotic residues D) To assess the protein content
8. Which of the following tests is used to detect the presence of antibiotics in milk?
A) Lactometer test B) Milk ring test C) Delvotest D) Fat test
9. The primary objective of the Lactometer test is to measure:
A) Fat content B) Protein content C) Specific gravity of milk D) Bacterial contamination
10. Which test is commonly used to measure the acidity of milk?
A) Lactometer test B) pH meter test C) Gerber test D) Alcohol test
11. What is the main purpose of pasteurization in milk processing?
A) To increase milk's nutritional value B) To extend shelf life by killing harmful microorganisms
C) To enhance flavor D) To reduce fat content
12. Which bacteria is used in the production of yogurt?
A) Lactobacillus bulgaricus B) Escherichia coli
C) Streptococcus thermophilus D) Bacillus subtilis
13. In the context of milk quality, what does the term "raw milk" refer to?
A) Milk that has been pasteurized B) Milk that has not been processed or heated
C) Milk with added preservatives D) Milk with a high fat content

14. Which test determines the presence of milk proteins in milk?
A) Casein test B) Lactose test C) Fat test D) Alcohol test
15. Which of the following is a common method for determining the total solids in milk?
A) Refractometer B) Lactometer C) Kjeldahl method D) Babcock method
16. What does the term "total bacterial count" refer to in milk microbiological analysis?
A) The number of pathogenic bacteria only B) The number of all bacteria present in the milk
C) The number of yeast and molds in the milk D) The number of bacteria added during fermentation
17. What is the purpose of the alcohol test in milk analysis?
A) To determine fat content B) To check the stability of milk proteins
C) To detect the presence of antibiotics D) To measure lactose levels
18. Which bacteria are typically used to inoculate milk for cheese production?
A) Lactobacillus and Streptococcus B) Escherichia coli and Salmonella
C) Bacillus and Clostridium D) Pseudomonas and Listeria
Answer: A) Lactobacillus and Streptococcus
19. What is a common sign of spoiled milk in sensory analysis?
A) Sweet taste B) Clear appearance C) Sour smell D) High fat content
20. Which of the following tests is used to check for the presence of added water in milk?
A) Lactometer test B) Casein test C) Alcohol test D) Gerber test
21. The presence of which microorganism is a key indicator of milk safety?
A) Lactobacillus acidophilus B) Escherichia coli
C) Streptococcus thermophilus D) Lactococcus lactis
22. Which method is used to measure the moisture content in cheese?
A) Refractometry B) Oven drying method C) Kjeldahl method D) Milk ring test
23. What is the purpose of the Babcock test?
A) To determine protein content B) To measure fat content
C) To assess bacterial contamination D) To check for antibiotic residues
24. Which of the following tests is used to measure lactose content in milk?
A) Lactometer test B) Enzymatic assay C) Alcohol test D) Casein test
25. Which microorganism is used to produce buttermilk?
A) Lactobacillus bulgaricus B) Lactococcus lactis C) Bacillus subtilis D) Streptococcus salivarius

Government Science College

OMR ANSWER SHEET

EXAMINATION: short-term course-2019-20 CSTC-3)

SUBJECT: Biochemical & Microbiological analysis of milk

EXAM CENTER: Government science college, Vankar

DATE: / /

Name: Patni M. Khet

48
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NSP

Q. ANSWER	Q. ANSWER	Q. ANSWER	Q. ANSWER	Q. ANSWER
<input checked="" type="checkbox"/> 1 (A) (B) (●) (D)	<input checked="" type="checkbox"/> 11 (A) (●) (C) (D)	<input checked="" type="checkbox"/> 21 (A) (●) (C) (D)	31 (A) (B) (C) (D)	41 (A) (B) (C) (D)
<input checked="" type="checkbox"/> 2 (A) (●) (C) (D)	<input checked="" type="checkbox"/> 12 (A) (B) (●) (D)	<input checked="" type="checkbox"/> 22 (A) (●) (C) (D)	32 (A) (B) (C) (D)	42 (A) (B) (C) (D)
<input checked="" type="checkbox"/> 3 (A) (B) (C) (●)	<input checked="" type="checkbox"/> 13 (A) (●) (C) (D)	<input checked="" type="checkbox"/> 23 (A) (●) (C) (D)	33 (A) (B) (C) (D)	43 (A) (B) (C) (D)
<input checked="" type="checkbox"/> 4 (A) (●) (C) (D)	<input checked="" type="checkbox"/> 14 (●) (B) (C) (D)	<input checked="" type="checkbox"/> 24 (A) (●) (C) (D)	34 (A) (B) (C) (D)	44 (A) (B) (C) (D)
<input checked="" type="checkbox"/> 5 (A) (B) (●) (D)	<input checked="" type="checkbox"/> 15 (A) (●) (C) (D)	<input checked="" type="checkbox"/> 25 (A) (●) (C) (D)	35 (A) (B) (C) (D)	45 (A) (B) (C) (D)
<input checked="" type="checkbox"/> 6 (●) (B) (C) (D)	<input checked="" type="checkbox"/> 16 (A) (●) (C) (D)	26 (A) (B) (C) (D)	36 (A) (B) (C) (D)	46 (A) (B) (C) (D)
<input checked="" type="checkbox"/> 7 (A) (●) (C) (D)	<input checked="" type="checkbox"/> 17 (A) (●) (C) (D)	27 (A) (B) (C) (D)	37 (A) (B) (C) (D)	47 (A) (B) (C) (D)
<input checked="" type="checkbox"/> 8 (A) (B) (●) (D)	<input checked="" type="checkbox"/> 18 (●) (B) (C) (D)	28 (A) (B) (C) (D)	38 (A) (B) (C) (D)	48 (A) (B) (C) (D)
<input checked="" type="checkbox"/> 9 (A) (B) (●) (D)	<input checked="" type="checkbox"/> 19 (A) (B) (●) (D)	29 (A) (B) (C) (D)	39 (A) (B) (C) (D)	49 (A) (B) (C) (D)
<input checked="" type="checkbox"/> 10 (A) (●) (C) (D)	<input checked="" type="checkbox"/> 20 (●) (B) (C) (D)	30 (A) (B) (C) (D)	40 (A) (B) (C) (D)	50 (A) (B) (C) (D)

Government Science College

OMR ANSWER SHEET

EXAMINATION: short term course 2019-20 (STC-3)

SUBJECT: Biochemical & Microbiological analysis of milk

EXAM CENTER: Government science college, Vankal

DATE: / /

Name :- Zeel M. Mare

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NSI

Q. ANSWER	Q. ANSWER	Q. ANSWER	Q. ANSWER	Q. ANSWER
✓ 1 (A) ● (B) ● (C) ● (D)	✓ 11 (A) ● (B) ● (C) ● (D)	✓ 21 (A) ● (B) ● (C) ● (D)	31 (A) ● (B) ● (C) ● (D)	41 (A) ● (B) ● (C) ● (D)
✓ 2 (A) ● (B) ● (C) ● (D)	✓ 12 ● (A) ● (B) ● (C) ● (D)	✓ 22 (A) ● (B) ● (C) ● (D)	32 (A) ● (B) ● (C) ● (D)	42 (A) ● (B) ● (C) ● (D)
✓ 3 (A) ● (B) ● (C) ● (D)	✓ 13 (A) ● (B) ● (C) ● (D)	✓ 23 (A) ● (B) ● (C) ● (D)	33 (A) ● (B) ● (C) ● (D)	43 (A) ● (B) ● (C) ● (D)
✗ 4 ● (A) ● (B) ● (C) ● (D)	✓ 14 ● (A) ● (B) ● (C) ● (D)	✓ 24 (A) ● (B) ● (C) ● (D)	34 (A) ● (B) ● (C) ● (D)	44 (A) ● (B) ● (C) ● (D)
✓ 5 (A) ● (B) ● (C) ● (D)	✓ 15 ● (A) ● (B) ● (C) ● (D)	✗ 25 (A) ● (B) ● (C) ● (D)	35 (A) ● (B) ● (C) ● (D)	45 (A) ● (B) ● (C) ● (D)
✓ 6 ● (A) ● (B) ● (C) ● (D)	✓ 16 (A) ● (B) ● (C) ● (D)	26 (A) ● (B) ● (C) ● (D)	36 (A) ● (B) ● (C) ● (D)	46 (A) ● (B) ● (C) ● (D)
✓ 7 (A) ● (B) ● (C) ● (D)	✗ 17 ● (A) ● (B) ● (C) ● (D)	27 (A) ● (B) ● (C) ● (D)	37 (A) ● (B) ● (C) ● (D)	47 (A) ● (B) ● (C) ● (D)
✓ 8 (A) ● (B) ● (C) ● (D)	✓ 18 ● (A) ● (B) ● (C) ● (D)	28 (A) ● (B) ● (C) ● (D)	38 (A) ● (B) ● (C) ● (D)	48 (A) ● (B) ● (C) ● (D)
✓ 9 (A) ● (B) ● (C) ● (D)	✓ 19 (A) ● (B) ● (C) ● (D)	29 (A) ● (B) ● (C) ● (D)	39 (A) ● (B) ● (C) ● (D)	49 (A) ● (B) ● (C) ● (D)
✓ 10 (A) ● (B) ● (C) ● (D)	✓ 20 ● (A) ● (B) ● (C) ● (D)	30 (A) ● (B) ● (C) ● (D)	40 (A) ● (B) ● (C) ● (D)	50 (A) ● (B) ● (C) ● (D)

Government Science College

OMR ANSWER SHEET

EXAMINATION: Short-term course 2019-20 (STC-3)

SUBJECT: Biochemical & Microbiological analysis of milk

EXAM CENTER: Government science college, Vankal

DATE: / /

Name :- Dipal J. chaudhari

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✓ 1 (A) (B) (C) (D)	✓ 11 (A) (C) (D)	✓ 21 (A) (C) (D)	31 (A) (B) (C) (D)	41 (A) (B) (C) (D)
✓ 2 (A) (C) (D)	✓ 12 (B) (C) (D)	✓ 22 (A) (C) (D)	32 (A) (B) (C) (D)	42 (A) (B) (C) (D)
X 3 (B) (C) (D)	✓ 13 (A) (C) (D)	X 23 (B) (C) (D)	33 (A) (B) (C) (D)	43 (A) (B) (C) (D)
✓ 4 (A) (C) (D)	X 14 (A) (B) (C) (D)	✓ 24 (A) (C) (D)	34 (A) (B) (C) (D)	44 (A) (B) (C) (D)
✓ 5 (A) (B) (C) (D)	✓ 15 (B) (C) (D)	✓ 25 (A) (C) (D)	35 (A) (B) (C) (D)	45 (A) (B) (C) (D)
✓ 6 (B) (C) (D)	✓ 16 (A) (C) (D)	26 (A) (B) (C) (D)	36 (A) (B) (C) (D)	46 (A) (B) (C) (D)
✓ 7 (A) (C) (D)	✓ 17 (A) (C) (D)	27 (A) (B) (C) (D)	37 (A) (B) (C) (D)	47 (A) (B) (C) (D)
✓ 8 (A) (B) (C) (D)	✓ 18 (B) (C) (D)	28 (A) (B) (C) (D)	38 (A) (B) (C) (D)	48 (A) (B) (C) (D)
X 9 (B) (C) (D)	✓ 19 (A) (B) (C) (D)	29 (A) (B) (C) (D)	39 (A) (B) (C) (D)	49 (A) (B) (C) (D)
✓ 10 (A) (C) (D)	✓ 20 (B) (C) (D)	30 (A) (B) (C) (D)	40 (A) (B) (C) (D)	50 (A) (B) (C) (D)

Government Science College

OMR ANSWER SHEET

EXAMINATION: short-term course - 2019-20 (STC-3)

SUBJECT: Biochemical & Microbiological analysis of milk

EXAM CENTER: Government science college, Vankar

DATE: / /

Name: - chauhan Mehul R.

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Q. ANSWER	Q. ANSWER	Q. ANSWER	Q. ANSWER	Q. ANSWER
1 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	10 <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	20 <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	30 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	40 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
2 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	11 <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	21 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	31 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	41 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
3 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	12 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	22 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	32 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	42 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
4 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	13 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	23 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	33 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	43 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
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6 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	15 <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	25 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	35 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	45 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
7 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	16 <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	26 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	36 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	46 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
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9 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	18 <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	28 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	38 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	48 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
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11 <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	20 <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D	30 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	40 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	50 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D

Government Science College

OMR ANSWER SHEET

EXAMINATION: Short-term course - 2019-20 (Stc-3)

SUBJECT: Biochemical & Microbiological analysis of milk

EXAM CENTER: _____

DATE: / /

Name: Asmita R. Chaudhary

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Q. ANSWER	Q. ANSWER	Q. ANSWER	Q. ANSWER	Q. ANSWER
✓ 1 (A) (B) (●) (D)	✓ 11 (A) (●) (C) (D)	✗ 21 (●) (B) (C) (D)	31 (A) (B) (C) (D)	41 (A) (B) (C) (D)
✗ 2 (A) (B) (●) (D)	✓ 12 (●) (B) (C) (D)	✓ 22 (A) (●) (C) (D)	32 (A) (B) (C) (D)	42 (A) (B) (C) (D)
✓ 3 (A) (B) (C) (●)	✓ 13 (A) (●) (C) (D)	✓ 23 (A) (●) (C) (D)	33 (A) (B) (C) (D)	43 (A) (B) (C) (D)
✓ 4 (A) (●) (C) (D)	✓ 14 (●) (B) (C) (D)	✓ 24 (A) (●) (C) (D)	34 (A) (B) (C) (D)	44 (A) (B) (C) (D)
✗ 5 (A) (B) (C) (D)	✓ 15 (●) (B) (C) (D)	✗ 25 (●) (B) (C) (D)	35 (A) (B) (C) (D)	45 (A) (B) (C) (D)
✓ 6 (●) (B) (C) (D)	✗ 16 (A) (B) (●) (D)	26 (A) (B) (C) (D)	36 (A) (B) (C) (D)	46 (A) (B) (C) (D)
✗ 7 (A) (B) (●) (D)	✓ 17 (A) (●) (C) (D)	27 (A) (B) (C) (D)	37 (A) (B) (C) (D)	47 (A) (B) (C) (D)
✓ 8 (A) (B) (●) (D)	✓ 18 (●) (B) (C) (D)	28 (A) (B) (C) (D)	38 (A) (B) (C) (D)	48 (A) (B) (C) (D)
✓ 9 (A) (●) (C) (D)	✓ 19 (A) (B) (●) (D)	29 (A) (B) (C) (D)	39 (A) (B) (C) (D)	49 (A) (B) (C) (D)
✓ 10 (A) (●) (C) (D)	✓ 20 (●) (B) (C) (D)	30 (A) (B) (C) (D)	40 (A) (B) (C) (D)	50 (A) (B) (C) (D)