



B. L. D. E. ASSOCIATION'S

S. B. ARTS AND K. C. P. SCIENCE COLLEGE

Smt. Bangaramma Sajjan Campus, Shri B. M. Patil Road (Solapur Road), Vijayapur-586 103

Accredited with CGPA of 2.99 at 'B' Grade in 4th Cycle by NAAC

(Affiliated to Rani Channamma University, Belagavi)



Department of Chemistry

Value Added Course

2022-2023

Food Adulteration

Subject Code: SBKCP/CHE/01



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Department of Chemistry

Value Added Course in Food Adulteration 2022--2023

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Date: 01-10-2022

Department of Chemistry

Notice

Value Added Course in Food Adulteration 2022--2023

The students of B Sc I Semester are here by informed that, the department of chemistry is conducting "Value Added Course in Food Adulteration". The students, who are having interest in certificate course, should enroll their names by consulting Mr. Anil Patil, Department of Chemistry on or before 06-10-2022 without fail.


HOD
Head

Department of Chemistry
S.B.Arts & K.C.P.Science College,
Vijayapur.

stud in s. w

Mr. Anil Patil


IQAC

IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.


Principal

Principal,
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VIJAYAPUR.

HOD



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Significance of Value Added Course 2022-2023

Subject: Department of Chemistry conduct Value added Course in Food Adulteration during the year 2022-2023

OBJECTIVES

1. Study of some common adulterants present in the food.
2. To give a clear idea about poisoning of food by different adulterants.
3. Importance of nutrient food and hygienic life.
4. To create an awareness on food adulteration.

Course Duration: 30 hrs

SUBJECT

The theory classes will be conducted as per the time table. At the end of the course internal test will be conducted for 50 marks. The qualified students will get the certificate after completion of course.

OBJECTIVE

1. Study
2. To
3. Imp
4. To

Course Duration

The

internal test

after comp



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Date: 08-10-2022

Department of Chemistry

Notice

Value Added Course in Food Adulteration 2022—2023

The theory classes for the “Value Added Course in Food Adulteration” will commence from 10th October 2022. The students, who have enrolled should note the same and attend the classes as per time table displayed on notice board.

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HOD
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IQAC

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Department of Chemistry

Value Added Course in Food Adulteration

Students List-2022-23

Sl. No	UUCMS No	Name of the Student
1	U15KM22S0006	MALLIKARJUN
2	U15KM22S0040	HIMANSHI SIDARAY NAGARALE
3	U15KM22S0051	SUPRIYA ZUNJARAWAD
4	U15KM22S0054	AISHWARYA
5	U15KM22S0068	SUMAN PRAKASH CHIKKALAKI
6	U15KM22S0074	REENA R RATHOD
7	U15KM22S0114	BHOURAMMA SHIVAPPA HATTARAKAL
8	U15KM22S0145	AKSHATA BELLUNDAGI
9	U15KM22S0151	SUDEEP RATHOD
10	U15KM22S0154	ASHWINI SANGAPPA SANDIMANI
11	U15KM22S0174	AKSHATA KOLI
12	U15KM22S0177	SHILPA IRANNA BIRADAR
13	U15KM22S0185	TEJASWINI SHRIKANTA AWATI
14	U15KM22S0189	APOORVA SHANKAR SANGA
15	U15KM22S0201	KIRAN DINESH KADAM
16	U15KM22S0204	SHARANABASAPPA KALE
17	U15KM22S0213	ANJANA GANGANAGOUDA PATIL
18	U15KM22S0220	RAHUL PAWAR
19	U15KM22S0223	BHYGYA PARAMANAND CHOORI
20	U15KM22S0226	VINAYAKA GUNJANNAVAR
21	U15KM22S0233	VINAYAK S RATHOD
22	U15KM22S0243	SANGANABASU HUNDEKAR
23	U15KM22S0246	UDAYAKUMAR CHAPPAR
24	U15KM22S0257	AKSHATA ADAGALLA
25	U15KM22S0265	VINAYAK

26	U15KM22S0267	SHANKAR METRI
27	U15KM22S0276	RAKSHITA SHANTAMALLAPPA TAWARKEHED
28	U15KM22S0277	BHAGYASHREE HANAMANTARAY BIRADAR
29	U15KM22S0288	PAVITRA DASHAVANT



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Department of Chemistry

Value Added Course in Food Adulteration 2022--2023

List of Faculty

1	Dr. S. D. Lamani
2	Dr. K Mahesh Kumar
3	Dr. S. N. Unki
4	Smt. Malati Chanagond
5	Mr. Anil Patil



Department of Chemistry

Value added Course 2022-2023

SBKCP/CHE/01

Food Adulteration

Syllabus

30 hrs

1. **Pesticides Fumigants and Insect control:** Spoilage of food by insects and pests, loss in food quality by various pesticides used in agriculture purpose and post-harvest storage, uses of pesticides for food grain application. Pesticides residue in grains, fruits and vegetables, meat, milk and milk products. **6 hrs**
2. **Water:** Introduction-Definition of water in food, physical and chemical properties of water, interaction of water with solutes and food components, determination of water content in food, water activity and its influence on food quality and stability. **6 hrs**
3. **Carbohydrates:** occurrence and classification of food carbohydrates, properties of food carbohydrates. **6 hrs**
4. **Lipids:** Introduction, definition and classification of lipids, various types of lipids-simple, conjugated, phospholipids and their occurrence in food. **6 hrs**
5. **Food Adulteration:** Common adulterants in food, detection of food adulteration and contamination of food stuffs, adulteration and law. **6 hrs**

Reference Books

1. Food Adulteration and Its Detection by –Edwin M Bruce.
2. Food Adulteration and Hygiene by-Anupama Rani.
3. Food Chemistry: The role of additives, Preservatives and Adulteration by-M.Sen



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Distribution of Syllabus

Sl No	Name of the Teacher	Syllabus	Hours
1	Dr. S. D. Lamani	Pesticides Fumigants and Insect control	6
2	Dr. K Mahesh Kumar	Water	6
3	Dr. S. N. Unki	Carbohydrates	6
4	Smt. Malati Chanagond	Lipids	6
5	Mr. Anil Patil	Food Adulteration	6


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Department of Chemistry

Value Added Course Time Table 2022-23

Day/Time	Monday		Tuesday		Wednesday		Thursday		Friday	
	Class/Faculty	R.No.	Class/Faculty	R.No.	Class/Faculty	R.No.	Class/Faculty	R.No.	Class/Faculty	R.No.
5.00 pm – 6.00 pm	B. Sc. I SNU	SH 1	B. Sc. I SDL	SH 1	B. Sc. I KMK	SH 1	B. Sc. I MBC	SH 1	B. Sc. I ARP	SH 1

SDL: Dr. S. D. Lamani, **KMK:** Dr. K. Mahesh Kumar, **SNU:** Dr. S. N. Unki,

MBC: Smt. Malati Chanagond, **ARP:** Mr. Anilkumar Patil,

Day/Time	Class
5.00 pm – 6.00 pm	B. Sc. I

SDL: Dr. S. D. Lamani

MBC: Smt. Malati Chanagond

Head

Department of Chemistry
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IQAC Co-ordinator

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Principal

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Date: 20-11-2022

Department of Chemistry

Notice

Value Added Course in Food Adulteration 2022--2023

The students of B Sc I semester who have enrolled for the "Value Added Course in Food Adulteration", should attend the examination on 27th November 2022 without fail.



Head

Department of Chemistry,
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Date: 27-11-2022

Department of Chemistry

Subject: Food Adulteration

Time: 2hr

Max Marks: 50

Subject Code: SBKCP/CHE/01

I. Answer any ten of the following

2×10=20

1. Define Adulteration?
2. What is meant by adulterants?
3. Expand the term HACCP?
4. Mention the adulterants in Spices?
5. Give the name of adulterants in grains?
6. Mention the adulterants present in coffee?
7. Give the name of adulterants in milk?
8. Give the name of adulterants in coffee powder?
9. Mention the adulterants in oils and fats?
10. Expand the term GMP?
11. What do you mean by AGMARK?
12. Write the role FDA?

II. Answer any three of the following

3×10=30

1. Explain the classification of lipids.
2. Write the experimental procedure to detect the food adulterants in tea powder and fats?
3. Give the concept of sanitation and hygienic production?
4. Write a note on physical and chemical properties of water.



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Date: 10-01-2023

Department of Chemistry

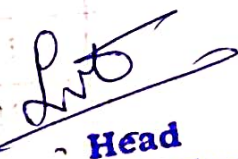
Value Added Course in Food Adulteration 2022-2023

Total Marks: 50

Student Marks List

Sl. No	UUCMS No	Name of the Student	Marks Obtained
1	U15KM22S0006	MALLIKARJUN	40
2	U15KM22S0040	HIMANSHI SIDARAY NAGARALE	32
3	U15KM22S0051	SUPRIYA ZUNJARAWAD	45
4	U15KM22S0054	AISHWARYA	48
5	U15KM22S0068	SUMAN PRAKASH CHIKKALAKI	42
6	U15KM22S0074	REENA R RATHOD	39
7	U15KM22S0114	BHOURAMMA SHIVAPPA HATTARAKAL	46
8	U15KM22S0145	AKSHATA BELLUNDAGI	44
9	U15KM22S0151	SUDEEP RATHOD	46
10	U15KM22S0154	ASHWINI SANGAPPA SANDIMANI	43
11	U15KM22S0174	AKSHATA KOLI	35
12	U15KM22S0177	SHILPA IRANNA BIRADAR	38
13	U15KM22S0185	TEJASWINI SHRIKANTA AWATI	38
14	U15KM22S0189	APOORVA SHANKAR SANGA	39
15	U15KM22S0201	KIRAN DINESH KADAM	32
16	U15KM22S0204	SHARANABASAPPA KALE	36

17	U15KM22S0213	ANJANA GANGANAGOUDA PATIL	45
18	U15KM22S0220	RAHUL PAWAR	32
19	U15KM22S0223	BHYGYA PARAMANAND CHOORI	35
20	U15KM22S0226	VINAYAKA GUNJANNAVAR	35
21	U15KM22S0233	VINAYAK S RATHOD	36
22	U15KM22S0243	SANGANABASU HUNDEKAR	38
23	U15KM22S0246	UDAYAKUMAR CHAPPAR	42
24	U15KM22S0257	AKSHATA ADAGALLA	44
25	U15KM22S0265	VINAYAK	40
26	U15KM22S0267	SHANKAR METRI	35
27	U15KM22S0276	RAKSHITA SHANTAMALLAPPA TAWARKEHED	39
28	U15KM22S0277	BHAGYASHREE HANAMANTARAY BIRADAR	42
29	U15KM22S0288	PAVITRA DASHAVANT	41


Head
 Department of Chemistry
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Date:16-01-2023

Department of Chemistry

Value Added Course in Food Adulteration 2022-23

Subject Code: SBKCP/CHE/01

Course Outcome

Department of chemistry conducted Value Added Course in Food Adulteration for B.Sc –I Sem students for the academic year 2022-23. The duration of the certificate course is 30 hrs.Theory classes were conducted for 29 students.

Food adulteration has many ill effects on our health. Prolonged consumption of adulterated food may even prove to be lethal. The use of organic food is more trending these days, as organic foods give us the complete nutrition that a particular food is supposed to give. It is not laden with harmful chemicals or polished with toxins like wax. But, due to low productivity, organic food is not always available and is more expensive than the common produce. Therefore, it is important to detect if our food is adulterated. Various home methods can be used to do this. The course has created awareness on food adulteration to the students.

B.Sc –I Sem

30 hrs Theory

Food

adulterated

days, as organic

give us the complete

productivity

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VIJAYAPUR.

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S. B. Arts and K. C. P. Science College, Vijayapur-586103
Department of Chemistry
Value Added Course in Food Adulteration
Attendance List-2022-23

Sl. No	UUCMS No	Name of the Student	10-10-22	11-10-22	12-10-22	13-10-22	14-10-22	15-10-22	17-10-22	18-10-22	19-10-22	20-10-22	21-10-22	22-10-22	25-10-22	27-10-22	28-10-22
1.	U15KM22S0006	MALLIKARJUN	1	2	3	3	4	5	6	7	8	9	10	11	12	13	14
2.	U15KM22S0040	HIMANSHI SIDARAY NAGARALE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3.	U15KM22S0051	SUPRIYA ZUNJARAWAD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4.	U15KM22S0054	AISHWARYA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
5.	U15KM22S0068	SUMAN PRAKASH CHIKKALAKI	1	2	3	4	5	6	7	8	9	10	11	12	13	13	14
6.	U15KM22S0074	REENA R RATHOD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
7.	U15KM22S0114	BHOURAMMA SHIVAPPA HATTARAKAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
8.	U15KM22S0145	AKSHATA BELLUNDAGI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
9.	U15KM22S0151	SUDEEP RATHOD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

10.	U15KM22S0154	ASHWINI SANGAPPA SANDIMANI	1	2	3	4	4	5	6	6	7	8	9	9	10	11	12
11.	U15KM22S0174	AKSHATA KOLI	1	1	2	3	4	5	6	7	7	7	8	9	10	11	12
12.	U15KM22S0177	SHILPA IRANNA BIRADAR	1	2	3	3	3	4	5	6	6	7	7	8	9	10	11
13.	U15KM22S0185	TEJASWINI SHRIKANTA AWATI	1	2	3	4	4	5	6	7	8	8	9	10	11	12	13
14.	U15KM22S0189	APOORVA SHANKAR SANGA	1	2	2	2	3	4	5	6	6	7	8	8	9	10	11
15.	U15KM22S0201	KIRAN DINESH KADAM	1	2	3	3	3	4	5	6	7	8	9	10	11	11	12
16.	U15KM22S0204	SHARANABASAPPA KALE	1	1	1	2	3	4	4	5	6	7	8	9	10	11	12
17.	U15KM22S0213	ANJANA GANGANAGOUDA PATIL	1	2	3	4	4	5	6	6	7	8	8	9	10	11	12
18.	U15KM22S0220	RAHUL PAWAR	1	2	2	2	3	4	5	6	7	7	8	8	9	10	11
19.	U15KM22S0223	BHYGYA PARAMANAND CHOORI	1	2	3	4	5	5	6	7	8	8	9	10	11	12	13
20.	U15KM22S0226	VINAYAKA GUNJANNAVAR	1	1	2	2	3	4	5	6	6	7	7	8	9	10	11
21.	U15KM22S0233	VINAYAK S RATHOD	1	2	3	3	3	4	5	5	6	7	8	9	10	11	12
22.	U15KM22S0243	SANGANABASU HUNDEKAR	1	1	2	2	3	4	4	5	6	7	7	8	8	9	10

23.	U15KM22S0246	UDAYAKUMAR CHAPPAR	1	2	3	3	4	5	6	7	8	9	10	11	12	13	14
24.	U15KM22S0257	AKSHATA ADAGALLA	1	2	3	4	4	5	6	7	8	9	10	11	12	13	14
25.	U15KM22S0265	VINAYAK	1	2	3	4	5	5	6	7	8	9	10	11	12	13	14
26.	U15KM22S0267	SHANKAR METRI	1	2	3	4	5	6	6	7	8	9	10	11	12	13	14
27.	U15KM22S0276	RAKSHITA S. TAWARKEHED	1	2	2	3	4	5	6	7	8	9	10	11	12	13	14
28.	U15KM22S0277	BHAGYASHREE H. BIRADAR	1	2	3	3	4	5	6	7	8	9	10	11	12	13	14
29.	U15KM22S0288	PAVITRA DASHAVANT	1	2	3	4	4	5	6	7	8	9	10	11	12	13	14

[Handwritten signatures and marks below the table]

B. L. D. E. Association's
S. B. Arts and K. C. P. Science College, Vijayapur-586103
Department of Chemistry
Value Added Course in Food Adulteration
Attendance List-2022-23

Sl. No	UUCMS No	Name of the Student	29-10-22	31-10-22	2-11-22	9-11-22	3-11-22	4-11-22	5-11-22	7-11-22	9-11-22	10-11-22	11-11-22	12-11-22	14-11-22	15-11-22	16-11-22
1.	U15KM22S0006	MALLIKARJUN	15	15	16	17	18	19	20	20	21	22	23	24	25	26	27
2.	U15KM22S0040	HIMANSHI SIDARAY NAGARALE	16	17	17	18	19	20	21	22	23	24	24	25	26	27	28
3.	U15KM22S0051	SUPRIYA ZUNJARAWAD	16	17	18	19	20	21	22	23	24	25	26	26	27	28	29
4.	U15KM22S0054	AISHWARYA	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
5.	U15KM22S0068	SUMAN PRAKASH CHIKKALAKI	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
6.	U15KM22S0074	REENA R RATHOD	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
7.	U15KM22S0114	BHOURAMMA SHIVAPPA HATTARAKAL	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
8.	U15KM22S0145	AKSHATA BELLUNDAGI	16	17	18	19	19	20	21	22	23	23	24	25	26	27	28
9.	U15KM22S0151	SUDEEP RATHOD	16	17	18	19	20	21	22	23	24	25	26	26	27	28	29

10.	U15KM22S0154	ASHWINI SANGAPPA SANDIMANI	13	14	15	16	17	17	18	19	20	21	22	23	24	25	26
11.	U15KM22S0174	AKSHATA KOLI	13	14	15	16	17	18	19	20	21	22	23	24	24	25	26
12.	U15KM22S0177	SHILPA IRANNA BIRADAR	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
13.	U15KM22S0185	TEJASWINI SHRIKANTA AWATI	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
14.	U15KM22S0189	APOORVA SHANKAR SANGA	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
15.	U15KM22S0201	KIRAN DINESH KADAM	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
16.	U15KM22S0204	SHARANABASAPPA KALE	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
17.	U15KM22S0213	ANJANA GANGANAGOUDA PATIL	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
18.	U15KM22S0220	RAHUL PAWAR	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
19.	U15KM22S0223	BHYGYA PARAMANAND CHOORI	14	15	16	17	18	18	19	20	21	22	23	24	25	26	27
20.	U15KM22S0226	VINAYAKA GUNJANNAVAR	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
21.	U15KM22S0233	VINAYAK S RATHOD	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
22.	U15KM22S0243	SANGANABASU HUNDEKAR	11	12	13	14	15	16	16	17	17	18	18	19	20	21	22

23.	U15KM22S0246	UDAYAKUMAR CHAPPAR	15	16	17	18	18	19	20	21	22	23	24	25	26	27	28
24.	U15KM22S0257	AKSHATA ADAGALLA	15	16	16	17	18	19	19	20	21	22	23	24	25	26	27
25.	U15KM22S0265	VINAYAK	15	16	16	17	18	18	19	20	21	22	23	24	25	26	27
26.	U15KM22S0267	SHANKAR METRI	15	16	16	17	18	19	19	20	20	21	22	23	24	25	26
27.	U15KM22S0276	RAKSHITA S. TAWARKEHED	15	16	17	18	18	19	20	21	22	23	24	25	26	27	
28.	U15KM22S0277	BHAGYASHREE H. BIRADAR	15	16	17	17	18	19	19	20	20	21	22	22	23	24	25
29.	U15KM22S0288	PAVITRA DASHAVANT	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

[Handwritten signatures and marks across the bottom of the table]

[Handwritten signature]
Head
 S.B.Arts & K.C.P.Science College,
 Vijayapur.

[Handwritten signature]
IQAC, Co-ordinator
 S.B.Arts & K.C.P.Science College,
 Vijayapur.

[Handwritten signature]
Principal,
 S.B. Arts and KCP Science College
 VIJAYAPUR



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Certificate

This is to certify that Mr./Ms. MALLIKARJUN of B.Sc
Programme Studying Ist Semester has completed the Value Added Course on
FOOD ADULTERATION Conducted by the Department
of CHEMISTRY during the Academic Year 2022 - 23

Head of the Department

Head

Department of Chemistry
S.B. Arts & K.C.P. Science College

IQAC Coordinator

IQAC, Co-ordinator
S.B. Arts & K.C.P. Science College
Vijayapur.

Principal

Principal,

S.B. Arts & K.C.P. Science College
VIJAYAPUR.



B.L.D.E. Association's

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of CHEMISTRY during the Academic Year 2022 - 23


Head of the Department
Head

Department of Chemistry
S.B. Arts & K.C.P. Science College,
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