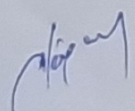


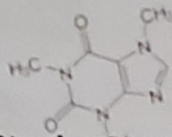
Course include

We Teach About

- Food Colours: Natural, Synthetic and Spurious Colours
- Food flavors: Flavoring, Natural, nature identical and artificial flavoring agents, Flavor enhancers Artificial Sweeteners
- Study of Saccharine, Aspartame Acesulfame, Sucralose IV Types of Adulterants in all foods
- Intentional, Incidental, Other incidental effect adulterants on health


Head, Dept. of Chemistry
L.V.D. College, RAICHUR.

Objectives



Students will be aware of the food additives and adulterants and they will be able to guide the people about the use of the additives, harmfulness of adulterants.

TO JOIN CONTACT-

- Mrs. Farzana Mumtaz
- Miss S. Neha



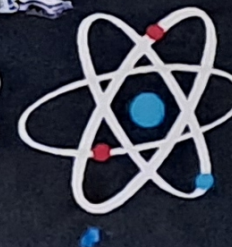
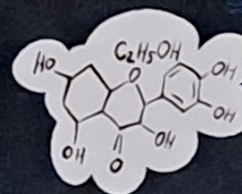
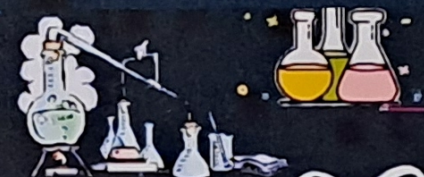
Taranath Shikshana Samsthe

Laxmi Venkatesh Desai college, Raichur

Re-Accredited by NAAC with B grade

Department Of Chemistry
2023

Add on course on
Food Additives And Adulterant



Laxmi Venkatesh Desai College,
RAICHUR.



Taranath Shikshana Samsthe
Laxmi Venkatesh Desai College, Raichur
Affiliated to Raichur University, Raichur & Re-accredited by NAAC with B Grade



Index for Add-On Course

Title : Food additives and adulterants

Academic year : 2022 – 2023

S.No	Particulars	Page no
1	Declaration	1
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4	Notice	6
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6	Timetable	8
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1



Taranath Shikshana Samsthe

LAXMI VENKATESH DESAI COLLEGE, RAICHUR-584103.

(Affiliated to Raichur University, Raichuri. Re-Accredited by NAAC with "B" Grade)

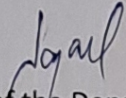
Dr. Venkatesh B. Devaru, M.Sc., Ph.D., MBA.
PRINCIPAL

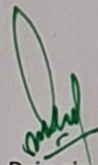
Office of the Principal
Ph: (08532)-240286, 240707
Fax: +918532 240707
e-mail: lvdrcc@gmail.com
Website: www.lvdcollege.com

Date: 16-02-2023

TO WHOMEVER IT MAY CONCERN

This is to certify that, the college has introduced the Add_On course on, "**Food additives and adulterants**" with the duration of 32 hours introduced in 2023. The said programme is apart from the existing course curriculum.


Head of the Department
Head, Dept of Chemistry
L.V.D. College, RAICHUR.


Principal
PRINCIPAL
Laxmi Venkatesh Desai College,
RAICHUR.

Date: 08-08-2023

To
The Principal,
LVD College, Raichur.

From
HoD,
Chemistry Department.

Respected Sir,

Sub: Permission to start an Add-On course

With respect to the above cited subject I, the undersigned request you to grant permission to start an Add-on course titled "**Food additives and adulterants**" to **undergraduate students**. The details of syllabus and duration are enclosed. This course helps students to build up their skills. Kindly grant the permission.

Thanking You,

[Handwritten Signature]
Yours Faithfully,
Head, Dept. of Chemistry
L.V.D. College, RAICHUR.

[Handwritten Signature]
PRINCIPAL
L.V.D. College, RAICHUR-03.

Taranatha Shikshana Samsthe
Laxmi Venkatesh Desai College, Raichur
 (Affiliated to Raichur University Raichur, Reaccredited with "B"grade)

Dr.Venkatesh B Devaru
 MSc.,PhD.,MBA
 Principal

office of the principal
 Ph:(08532) - 240286,240707
 Fax: +918532 240707
 email: lvdrer@gmail.com
 website: www.lvdcollege.com

Date: 18-01-2023

ORDER Sub: Meeting of Board of Studies members

A meeting of the following BOS constituted is hereby convened on 18-01-2023at 11:00 AM in the Department of Chemistry, LVD College, Raichur

BOARD OF APPOINTMENT OF BOS MEMBERS FOR ADD-ON COURSE

1)	DR. Pushpa Assistant Professor Department of Chemistry GFGC for women, Raichur	Chairman <i>[Signature]</i> PRINCIPAL Govt. First Grade College For Womens RAICHUR-504 101
2)	Dr. Vijayalaxmi G Assistant Professor Department of Chemistry GFGC , Raichur	Member <i>[Signature]</i>
3)	Dr. Jayateertha N.S Department of Chemistry LVD College, Raichur	Member <i>[Signature]</i> Head, Dept. of Chemistry L.V.D. College, RAICHUR.

The Chairman and the members are requested to make it convenient to attend THE BOS Meeting



[Signature]
 PRINCIPAL
 PRINCIPAL
 L.V.D. College, RAICHUR

Date: 20-01-2023

To
The Principal,
LVD College,
Raichur.

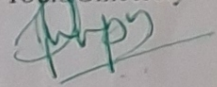
Respected Sir,

Sub: Acceptance to be the chairman of BOS.

with reference to the above-cited subject I Smt. Pushpa Assistant Professor,
Department of Chemistry, GFGC for women, Raichur received your letter of request to be
a Chairman of BOS, for the Add-on Course to be conducted by your college.
Hence, I give my consent and accept your request as a BOS Chairman.

Thanking You,

Yours Sincerely



PRINCIPAL
Govt. First Grade College For Womens
RAICHUR-584 101

Date : 25-01-2023

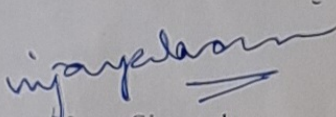
To
The Principal,
LVD College,
Raichur.

Respected Sir,

Sub: Acceptance to be the member of BOS.

with reference to the above-cited subject I DR. Vijaylaxmi. G Assistant Professor, Department of Chemistry, GFCC Raichur, received your letter of request to be a Chairman of BOS, for the Add-on Course to be conducted by your college. Hence, I give my consent and accept your request as a BOS Chairman.

Thanking You,


Yours Sincerely

Laxmi Venkatesh Desai College, Raichur

Affiliated to Gulbarga University, Kalaburagi & Re-Accredited by NAAC with B Grade

Department of Chemistry

Notice

All the **B.Sc V Semester** students are here by informed to join and get benefit of the Add-on course titled "**Food additives and adulterants**" starting from

16th February, 2023 at 8 to 9 am

This course enables you to create awareness about the "**Food additives and adulterants**" and their uses in daily life. Hence it is most useful to the students in future

Signature of HoD

**Head, Dept. of Chemistry
L.V.D. College, RAICHUR,**

B.Sc V Semester

**PRINCIPAL
L.V.D. College, RAICHUR-03.**

Jasmeel
B.Sc V sem

B.Sc V sem

B.Sc V sem

7

**Taranatha Shikshan Samsthe
LAXMI VENKATESH DESAI COLEGE RAICHUR**

DEPARTMENT OF CHEMISTRY

ADD ON COURSE ON FOOD ADDITIVES AND ADULTRANTS

About the Course

Food additive: substance not naturally present in a food but added during its preparation and remaining in the finished product. In general food additives are used to decrease the risk to contamination by certain microbes, maintain or improve nutritional quality, increase shelf life enhances taste, odour and appearance, reduce waste or contribute to convenience.

Food adulterants: The substances added to food so that the seller get more benefits by increasing the quantity by adding unwanted chemical in the food to get more quantity. It is vicious cycle, the seller is playing with the consumer by adding harmful materials into the food for his benefit without looking into the health of the consumer

Aims Of the course:

- Students are accustomed with the additives in the food
- They come across different chemicals which are food additives
- They will be aware of the food adulterants
- They come to know about the harmful effect of adulterants

Eligibility: Any student with 10+2

Fee: Free

Intake: 40 students

Duration: 32 Hours

Syllabus:

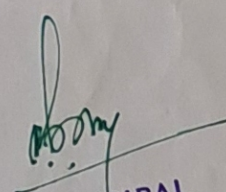
- I. Food Colours: Natural, Synthetic and Spurious Colours
- II. Food flavors: Flavorings, Natural, nature identical and artificial flavoring agents, Flavor enhancers
- III. Artificial Sweeteners: study of, Saccharine, Aspartame, Acesulfame, Sucralose
- IV. Types of Adulterants in all foods: Intentional, Incidental, Other incidental, effect adulterants on health

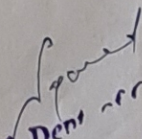
Outcome of the course:

Students will be aware of the food additives and adulterants and they will be able to guide the people about the use of the additives, harmfulness of adulterants.

Reference:

1. B. Shreelaxmi, *Food Science*, New age International Publications New Delhi 2015
2. Singh K, *Chemistry in daily life* Prentice Hall of India, New Delhi 2008


**PRINCIPAL
L.V.D. College, RAICHUR-03**


**Head, Dept. of Chemistry
L.V.D. College, RAICHUR.**

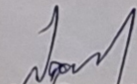


Taranath Shikshana Samsthe

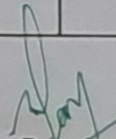
LAXMI VENKATESH DESAI COLLEGE, RAICHUR

Time Table with effect from 16/02/2023 Class B.Sc V sem Department Chemistry Section V sem Room No. FF-02

Time → Days ↓	8-9AM								
Mon	Chemistry Add on course								
Tue	-do-								
Wed	-do-								
Thu	-do-								
Fri	-do-								
Sat	-do-								


Head of Department
Head, Dept. of Chemistry
L.V.D. College, RAICHUR.

Name of the Staff : Smt. Farzana & G. Neha


Principal
PRINCIPAL
Laxmi Venkatesh Desai College,
RAICHUR

Laxmi Venkatesh Desai College, Raichur

Affiliated to Gulbarga University, Kalaburgi & Re-Accredited by NAAC with B Grade

Attendance Sheet

Department of Chemistry

Class: B.Sc. V Semester

Course title: Food Additives and Adulterants

Faculty Name: Smt. Fagana & Miss G. Neha

Sl.No	Register No	Name of the Student	16	17	20	20	21	22	22	23	24	25	25	27	28	1	2	3	4	6	9	10	11	11	13	14	15	16	17	18	20	21	Total Present	Signature of Students
			23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
1	2184118	Devika.	P	P	P	A	P	P	P	P	P	A	P	P	P	A	P	P	A	A	P	P	P	P	A	P	P	P	P	P	P	24	Devika	
2	2184308	Bhramashankar	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	26	Bhramashankar	
3	2184258	Pragula.	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	27	Pragula	
4	2184126	R. Rekha	P	P	P	A	P	P	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	25	Rekha	
5	2184136	Bharath.M.	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	27	Bharath	
6	2184182	Anil.Kumar	A	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	25	Anil	
7	2184192	Ambika.	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	28	Ambika	
8	2184149	T. Samreen	P	P	P	P	P	P	A	P	A	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	26	Samreen	
9	2184151	D. Mahesh.RG	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	28	Mahesh		
10	2184179	Ambika.	A	A	P	A	P	P	P	A	P	P	P	A	P	A	A	P	A	P	P	P	A	P	P	P	A	A	A	A	15	Ambika		
11	2184165	Neha Nisik	P	P	P	A	P	P	P	A	A	P	P	A	P	P	P	A	P	A	P	A	P	A	P	A	P	A	P	P	20	Neha		
12	2184176	Reja.	A	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P	P	P	A	25	Reja		
13	2184188	Gopal swamy	P	P	A	P	P	P	A	A	P	A	P	A	P	P	P	P	P	A	P	A	P	P	A	P	P	A	P	A	18	Gopal		
14	2184193	Baandibasava	P	P	A	P	P	P	P	P	A	P	P	A	P	P	A	A	P	P	P	P	P	P	P	P	A	P	A	22	Baandibasava			
15	2184374	Tepashwini. G	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	27	Tepashwini		

Signature of Faculty

Signature of HOD

Signature of Principal

Head, Dept. of Chemistry
L.V.D. College, RAICHUR.

L.V.D. College, RAICHUR-03.

Laxmi Venkatesh Desai College, Raichur

Affiliated to Gulbarga University, Kalaburgi & Re-Accredited by NAAC with B Grade

Attendance Sheet

		Department of Chemistry																																
Class: B.Sc. V Semester			Course title: Food Additives and Adulterants														Faculty Name: Smt. Farzana & Miss Gi. Neha																	
Sl.No	Register No	Name of the Student	16	17	20	20	21	22	22	23	24	25	25	27	28	1	2	3	4	6	9	10	11	11	13	14	15	16	17	18	20	21	Total Present	Signature of student
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			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
16	2184311	Rajeshwari. A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	<i>[Signature]</i>	
17	2184208	Anjanayya	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	27	<i>[Signature]</i>	
18	2184211	Vyasraj Joshi	P	P	A	P	A	P	A	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	20	<i>[Signature]</i>	
19	2184235	Sindhu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	26	<i>[Signature]</i>	
20	2184229	Kaveri	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	18	<i>[Signature]</i>	
21	2184363	Umme Ruman	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	28	<i>[Signature]</i>	
22	2184202	Samruddhi H	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	24	<i>[Signature]</i>	
23	2184207	Krishnaveni	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	27	<i>[Signature]</i>	
24	2184194	D.R. Shree Raichur	P	P	P	P	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	25	<i>[Signature]</i>	
25	2184205	Chetan. S.M.	A	A	P	A	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	17	<i>[Signature]</i>	
26	2184212	Nagaraja J	P	P	P	P	A	A	P	A	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	18	<i>[Signature]</i>	
27	2184195	M. Sharath	P	A	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	23	<i>[Signature]</i>	
28	2184214	Siddangouda	P	P	P	A	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	23	<i>[Signature]</i>	
29	2184200	Pradeep. P.	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	27	<i>[Signature]</i>	
30	2184210	M.D. Fazil	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	24	<i>[Signature]</i>	

[Signature]
Signature of Faculty

[Signature]
Signature of HOD

[Signature]
Signature of Principal

Head, Dept. of Chemistry
L.V.D. College, RAICHUR.

L.V.D. College, RAICHUR-03.



Laxmi Venkatesh Desai College, Raichur

Affiliated to Gulbarga University, Kalaburgi & Re-Accredited by NAAC with B Grade

Attendance Sheet

Department of Chemistry																																		
Class: B.Sc. V Semester										Course title: Food Additives and Adulterants										Faculty Name: Smt. Fargana & Miss G. Neha														
Sl.No	Register No	Name of the Student	16	17	20	20	21	22	22	23	24	25	25	27	28	1	2	3	4	6	9	10	11	11	13	14	15	16	17	18	20	21	Total Present	Signature of Student
			23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
31	2184334	Anjali	A	P	P	P	P	P	A	P	A	A	P	A	P	P	P	P	P	P	P	P	A	A	P	P	P	A	P	P	22	Anjali		
32	2184324	Durga Supriya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	Durga		
33	2184299	Nidhi	P	P	P	P	P	A	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	28	Nidhi		
34	2184323	Shailaja.K	A	P	P	P	P	A	P	P	A	P	A	P	P	P	A	P	A	P	A	P	A	P	A	P	P	A	P	P	20	Shailaja		
35	2184246	Prashanth	A	P	A	P	P	P	A	P	P	P	A	P	P	A	A	P	P	A	P	A	A	A	P	P	A	A	A	P	17	Prashanth		
36	2184407	Supriya.B.	A	P	P	P	P	P	P	P	A	A	P	A	A	P	A	P	P	A	P	P	P	P	A	P	P	P	A	P	21	B.Supriya		
37	2184197	Girish	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	26	Girish		
38	2184321	Renukapatil	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	28	Renuka		
39	2184352	Gayatri	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	25	Gayatri		
40	2184383	Nivedita.H	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	25	Nivedita		
41	2184185	Renuka.A	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	27	Renuka		
42	2184390	Pushpanjali	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	A	P	P	P	27	Pushpanjali			
43	2184388	Spandana	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	26	Spandana		
44	2184420	S. Sanjana	P	A	P	P	P	A	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	26	Sanjana		
45	2184341	Vamshi.Krishna	A	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	24	Vamshi		

Signature of Faculty

Signature of HOD

Signature of Principal

Head, Dept. of Chemistry
L.V.D. College, RAICHUR.

PRINCIPAL
L.V.D. College, RAICHUR-03.

(2)

Laxmi Venkatesh Desai College, Raichur
Affiliated to Gulbarga University, Kalaburagi & Re-Accredited by NAAC with B Grade

Department of Chemistry

Report of Add on course

Title of the Add on course : Food additives and adulterants.

Duration : 32 Hrs

Started on : 16-2-2023

Completed on : 21-3-2023

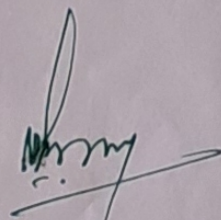
Name of the faculty : Smt. Farzana Mumtaz & Miss G. Neha.

Total No. of students admitted : 45

Total No. of classes taken : 30 classes

Total No. of students benefited : 45

Learning outcomes : Students will be aware of the food additives and adulterants and they will be able to guide the people about the use of the additives and harmfulness of adulterants.



PRINCIPAL
L.V.D. College, RAICHUR-03.



Taranath Shikshana Samsthe

LAXMI VENKATESH DESAI COLLEGE RAICHUR

(Re-Accredited by NAAC with 'B' Grade)

Certificate

This is to Certify that Miss. / Mr. Gopala Swamy
 of B.Sc V Semester has completed the Certificate Course in
Food additives and adulterants
 Conducted by the Department of Chemistry from
16-2-2023 to 21-3-2023

[Signature]
 Head of the Department
 Head, Dept. of Chemistry
 L.V.D. College, RAICHUR



[Signature]
 PRINCIPAL
 L.V.D. College, RAICHUR-03.
 Principal

Taranath Shikshana Samsthe's
LAXMI VENKATESH DESAI COLLEGE, RAICHUR
ADD ON COURSE, INTERNAL ASSESSMENT
TOPIC - FOOD ADDITIVES AND ADULTERANTS
BSC V SEMESTER - 2023

Time : 8:00 am to 9:00 am

Date : 30/2/2023

Max.Marks : 20M

Name : Ambika

Reg. No. : 2184192

Instructions: Choose and tick the correct answer

1. Added sugar in milk is considered as

- a) Adulterants.
- b) Preservatives.
- c) Additive.
- d) Bone of the above.

19 / 20

2. Lead chromate is a common adulterant found in

- a) Water
- b) Soft drinks
- c) Turmeric
- d) Vegetables oils

3. Urea is added to milk to increase

- a) Thickness
- b) Shelf life
- c) Nitrogen content
- d) Brightness

4. Chilli powder is usually adulterated with

- a) Saw dust
- b) Color and saccharin
- c) Kesari dal
- d) Aluminium foil

5. Coffee is adulterated with

- a) Saw dust
- ~~b) Tamarind seed powder~~
- c) Ghee
- d) All these

6. Asafoetida is adulterated with Except

- ~~a) Starch~~
- b) Clay
- c) Chalk powder
- d) Maize

7. The red colour of beet is due to the presence

- a) Lycopene
- ~~b) Beta carotene~~
- c) Curcumin
- d) Betalain

8. 4% commercially available acetic acid is

- a) Brine
- ~~b) Vinegar~~
- c) Tartar
- d) Salt

9. The term GRAS stands for

- ~~a) Generally recognised as safe~~
- b) Group of recognised and scientist
- c) German regulation for analysis and safety.
- d) Gross rate of annual saving

10. BHA is a

- ~~a) Antioxidant~~
- b) Flavour enhancer
- c) Pesticide
- d) Permitted color

11. _____ is a non permitted color

- a) Ponceau
- b) Brilliant blue FCF
- c) Tartrazine
- d) Rhodamine

12. Which of the following is not a natural colour

- a) Cyanidine 3 glucoside
- b) Chlorophyll
- c) Sunset yellow FCF
- d) Annatto

13. Sugar and salt act as preservatives by :

- a) Killing microorganisms directly
- b) Increasing the acid content of food
- c) Increasing the water content of food
- d) Binding water so it is not available for microorganisms.

14. TBHQ in oils

- a) Enhances color
- b) Retards oxidation
- c) Enhances flavour
- d) All of the above

15. Which of the following does not have antimicrobial activity?

- a) Chlorophyll
- b) Organic acids
- c) Spice extracts
- d) Hydrogen peroxide

16. According to FSSAI rules, class II preservatives includes

- a) Acetic acid
- b) Dextrose
- c) Nicin
- d) Glucose

17. Ingredients means

- a) An extaneous matter present in the final product
- b) A substance that gets modified in the product
- c) Any substance used to prepare food
- d) A food additive used in food preparation.

18. Sulphur dioxide cannot be used to prepare naturally colored juices because of its

- a) Characteristics flavour
- b) Characteristics aroma
- c) Liberation of Carbon dioxide
- d) Bleaching action

19. Adulterant means

- a) Any article obtained from a diseased animal
- b) Any coloring matter other than that prescribed
- c) Any material employed for the purpose of adulteration
- d) Any article containing any poisonous ingredient.

20. Which of the following adulterants cause partial or complete blindness .

- a) Kesari dal
- b) Matanil pelo
- c) Argimone oil
- d) Rhodamine B.

Marks list

Department of Chemistry				
Class: B.Sc. V Semester				
Course title: Food additives and adulterants				
Faculty Name: Smt. Farzana Mumtaz & Miss G. Neha				
SLNo	Register No	Name of the Student	Marks	Signature of Student
1	2184118	Devika	16	<u>Devika</u>
2	2184308	Bheemashankar	18	<u>Bheemashankar</u>
3	2184258	Pragula	17	<u>Pragula</u>
4	2184126	R. Lekha	17	<u>R. Lekha</u>
5	2184136	Bharath. M.	16	<u>Bharath</u>
6	2184182	Anil Kumar	18	<u>Anil</u>
7	2184192	Ambika	19	<u>Ambika</u>
8	2184149	T. Samreen	19	<u>Samreen</u>
9	2184151	D. Mahesh. R.G.	17	<u>Mahesh. D</u>
10	2184179	Ambika	17	<u>Ambika</u>
11	2184165	Neerajnik.	17	<u>Neerajnik</u>
12	2184176	Raja	16	<u>Raja</u>
13	2184188	Gopal Swamy	18	<u>Gopal Swamy</u>
14	2184193	Bodhibarava	17	<u>Bodhibarava</u>
15	2184374	Tejashwini.G.	19	<u>Tejashwini</u>
16	2184311	Rajeshwari. A	17	<u>Rajeshwari A</u>
17	2184208	Anjanayya	18	<u>Anjanayya</u>
18	2184211	Vyasraj joshi	18	<u>Vas</u>
19	2184235	Sindhu.	16	<u>Sindhu</u>
20	2184229	Kaveri	17	<u>Kaveri</u>
21	2184363	Umme Ruman	19	<u>Umme Ruman</u>
22	2184202	Samruddhi. H.	18	<u>Samruddhi</u>
23	2184207	Krishnaveni	19	<u>Krishnaveni</u>
24	2184194	D. R. Shree. Vaishnavi	19	<u>Shree. Vaishnavi</u>
25	2184205	Chetan. S.M.	16	<u>Chetan</u>
26	2184212	Nagaraja. J	17	<u>Nagaraja</u>
27	2184195	M. Shatrath	18	<u>Shatrath</u>
28	2184214	Siddangouda.	18	<u>Siddangouda</u>

Neha
Signature of Faculty

Farzana
Signature of HOD

Mumtaz
Signature of Principal

