

दुरितान्धे तिमिर जायो !

Shikshan Prasarak Mandal's Anadur

JAWAHAR ART'S, SCIENCE & COMMERCE COLLEGE, ANADUR

Tq. Tuljapur, Dist. Osmanabad-413 603

NAAC GRADE - B++(CUPA 2.81)

President :- Shri. B.F.Kasture

Secretary :- Shri. S.N. Alure Guruji

I/C Principal :- Dr.Smt. M.B. Jadhav(Mob.9960242667)

☎ :- (02471) 246037, 246737


Date: 16/18/2019

To,
The Head,
Department of Chemistry,
Jawahar ASC College, Anadur,
Tq. Tuljapur, Dist. Osmanabad.

Subject: To Conduct the certified course for students of science.

As per the decision taken in College Development Committee, you are directed to conduct the Certificate course in Food Chemistry in your department for the students of our college. The course should be of 30 hours and be conducted in the academic year 2017-2018.

Convey your timetable of the said course to the timetable committee so as to avoid any overlapping of lecturers.


I/C Principal
Jawahar Arts, Science & Commerce College
Anadur, Tal. Tuljapur, Dist. Osmanabad.



शिक्षण प्रसारक मंडळ अंनदुर

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☎ :- (02471) 245037, 245737

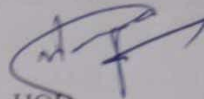
Date: 25/07/2019


Notice

All the faculty members of Department of Chemistry are hereby informed that a meeting is scheduled on 25/07/2019 in the department at sharp 11.30am. Please attend the meeting in time.

Agenda for meeting:

1. Discussion on choose the certificate course
2. Nature of duration of course
3. Preparation and Distribution of syllabus
4. To prepare the timetable for course
5. To conduct other activities regarding the course.


HOB


PRINCIPAL
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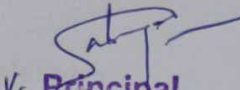
☎ :- (02471) 246037, 246737

Date: 25/07/2019

Proceeding of Chemistry Departmental Meeting

Today 25/07/2019 a meeting was held in department of chemistry under the chairperson Dr. M. M. Langde (HOD). In this meeting discussion made on how the conduct the certificate course in food chemistry. All faculties are unanimously agreed to run this certificate course for all UG students. Discussion was successful regarding to construct the syllabus, timetable, the nature of Question paper and the said course admission form. All faculties assured each other to give healthy contribution for running this course and all other efforts needed. Finally all faculties are firmly decided to construct the syllabus, timetable, sample question paper and admission form and to convey to Hon. Principal for further approval from College Development committee.

- LLM- Dr. M. M Langde
- DNG- Dr. D. N. Gatlewar
- VGM- Dr. V. G. Mane
- PAM- Dr. A. M. Pachpinde


Principal
Principal
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Syllabus of Certificate Course in "Food Chemistry"

1. Determination of Moisture in food:

Introduction, Some Basic Considerations, Method, Factors affecting the precision of moisture measurements by drying methods, Distillation methods, Disadvantages, Chemical methods: a kari Fischer Reagents Titration, Advantages, Disadvantages, Physical methods.

2. Main elements and trace elements in eggs, cereals and cereal products, vegetables and fruits:

Introduction, Classification, Nutritional and functional Roles of Minerals

Main elements: Sodium, Potassium, Magnesium, Calcium, Chloride and Phosphorus.

Trace elements: Iron, Copper, Zinc, Manganese, Cobalt, Chromium, Selenium, Molybdenum, Nickel, Fluorine and Iodine.

3. General Principles of Food Preservation-Physical Methods:

Introduction, food preservation, principles of food preservation, methods of food preservation. Physical methods. Chemical methods. Biological methods. Thermal treatment.

Low temperature. Drying Irradiation. Preservation of food through Irradiation. Types of Radiation, Unit of Radiation Dose, Application of Radiation processing of food.

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Date: 30 / 07 / 2019

To,

Principal,

JASC College, Anadur.

Tq. Tuljapur, Dist. Osmanabad.

Sub: To get the permission to chemistry department to conduct the certificate course in food science for academic year 2017-18.

Dear Sir,

With reference to above cited subject I am kindly informing you that a departmental meeting of chemistry was held on date 25/07/2019, in this meeting all faculty are unanimously decided to conduct a certificate course in "food chemistry" during this academic year 2017-18. In this meeting we all faculty also make an action plan to run this certificate course with all necessary formalities. So we all the chemistry faculty are requesting to you give us approval for said courses.

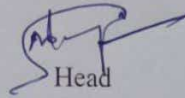
Attached:

- ✓ Departmental proceeding
- ✓ Time-Table
- ✓ Syllabus
- ✓ Question Paper Pattern
- ✓ Admission form


Dr. D. N. Gatlewar

Dr. V. G. Mane

Dr. A. M. Pachpinde


Head

Dr. M. M. Langade


Principal
Jawahar Arts, Science & Commerce College
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Date: 18 / 08 / 2019

Notice

All the students of science faculty are hereby informed that the Department of chemistry is going to conduct a co-curricular certificate course on "Food Chemistry" during this academic year 2018-19 from 01 / 09 / 2019 to 30 / 09 / 2019 (30 hours).

The interested students may enroll their name with Mr. Dilip Chavan at department of chemistry before / /

Co-coordinator

Head

Principal
Jawahar Arts, Science & Commerce College
Anadur, Tal. Tuljapur, Dist. Osmanabad.



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Jawahar Arts, Science & Commerce College, Anadur

Department of Chemistry

Certificate Course on Food Chemistry

Student registration form (2018-19)

Name of Student: -----

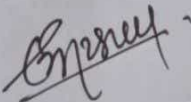
Class and Roll No: -----

Contact No: -----

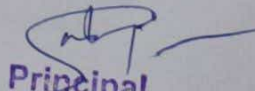
Email address: -----

Corresponding Address: -----

Signature of Student


Co-coordinator


Head


Principal
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Department of Chemistry

Conducting Co-curricular course

“Food Chemistry”

- | | |
|--------------------------|---|
| 1. Name of Department: | Chemistry |
| 2. Type of Programme: | Co-curricular |
| 3. Title of Programme: | Certificate course in “Food Chemistry” |
| 4. Name of Co-ordinator: | Dr. Dhananjay Narendra Gatlwar |
| 4. Faculty offered: | B.Sc |
| 5. Name of Teachers: | Dr. M. M Langde
Dr. D. N. Gatlwar
Dr. V. G. Mane
Dr. A. M. Pachpinde |
| 6. Duration: | 30 hours |
| 7. Theory: | 15 Hours |
| 8. Practical: | 15 Hours. |

Head

Principal
Principal

Jawahar Arts, Science & Commerce College
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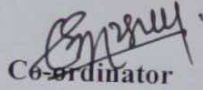
Department of Chemistry

Jawahar Arts, Science and Commerce College, Andur

Add on Course on Food Chemistry


Enrollment List of Students 2018-19 2019

Sr. No	Roll Number	Name of Student	Class	Mobile Number
1	AA-01	Kadam Akash Prakash	B.Sc-I	7249859985
2	AA-02	Kadam Onkar Arun	B.Sc-I	7385731146
3	AA-03	Kadam pratiksha Arun	B.Sc-I	7517662240
4	AA-04	Kadam Pravin Tukaram	B.Sc-I	8806902234
5	AA-05	Kadam Vishal Prakash	B.Sc-I	9623234805
6	AA-06	Kage poonam Pandit	B.Sc-I	9860426060
7	AA-07	Kakade Revati Hirachand	B.Sc-I	5661861923
8	AA-08	Kalake Santoshi Ganapati	B.Sc-I	9860695608
9	AA-09	Kalbande Parvati Suresh	B.Sc-I	8605161109
10	AA-10	Kalbande Pratik Dattu	B.Sc-I	8605161109
11	AA-11	Karpe Ashwini Panchappa	B.Sc-I	8888749831
12	AA-12	Karpe Manjushri Shrikant	B.Sc-I	8856910741
13	AA-13	Karpe onkar Chandradant	B.Sc-I	7875256953
14	AA-14	Kore Arvind Janardhan	B.Sc-I	8605046531
15	AA-15	Kshirsagar Nitin Vilas	B.Sc-I	7038684048
16	AA-16	Kumbhar Shrishail	B.Sc-I	9503496711
17	AA-17	Kumbhar Vicky Mallinath	B.Sc-I	8855995723
18	AA-18	Labde Yashwant Laxman	B.Sc-I	8806028891
19	AA-19	Landage Laxman Narsing	B.Sc-I	7218180543
20	AA-20	Langade Shraddha	B.Sc-I	8177884167
21	AA-21	Lohar Ankita Nagnath	B.Sc-I	7387394747
22	AA-22	Loke Mauli Sanjay	B.Sc-I	8888049098
23	AA-23	Lokhande Pooja Nashivant	B.Sc-I	9689698904
24	AA-24	Lokhande Shruti Nashivant	B.Sc-I	9130536436
25	AA-25	Lokhande Sunil Dayanand	B.Sc-I	7249671758
26	AA-26	Lokhande Ragini Shesherao	B.Sc-I	9923626082
27	AA-27	Madje Sulochana Sanjay	B.Sc-I	9764955862
28	AA-28	Maitri Satyajeet Shivanand	B.Sc-I	9860710589
29	AA-29	Manale Laxman Angad	B.Sc-I	9960538361
30	AA30	Mashalkar Chaitali Subhash	B.Sc-I	8308661627


Coordinator

(Dr. D. N. Gatlwar)


Head


Principal
Jawahar Arts, Science & Commerce College
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Department of Chemistry

Jawahar Arts, Science and Commerce College, Anadur

Add on Course on Food Chemistry

Theory Time Table – 2018-18 2019

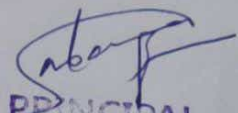
Lecture	Time	Monday	Tuesday	Wednesday	Thursday	Friday
I	03.00 to 04.00	DNG	PAM	VGM	LLM	DNG
II	04.00 to 05.00	DNG	PAM	VGM	LLM	LLM
III	05.00 to 06.00	DNG	PAM	VGM	LLM	PAM

Practical Time Table – 2017-18

Lecture	Time	Monday	Tuesday	Wednesday	Thursday	Friday
I	03.00 to 04.30	DNG	PAM	VGM	LLM	DNG
II	04.30 to 06.00	DNG	PAM	VGM	LLM	LLM

List of Faculty Contributing for this Course

- LLM- Dr. M. M Langde
- DNG- Dr. D. N. Gatlwar
- VGM- Dr. V. G. Mane
- PAM- Dr. A. M. Pachpinde


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Date: 10/08/2019

Ref.No.JASC/Chem/Syll/BOS/2018-19/2019

To,

1} Dr. M. M. Langde
Ad-hoc Board in Chemistry
JASC College, Anadur,
Tq. Tuljapur, Dist. Osmanabad
Mob: 7020023401

2}Dr. Ramdas Dhokale
Ad-hoc Board in Chemistry
Bhalaghat ASC College, Naldurg.
Tq. Tuljapur, Dist. Osmanabad.
Mob: 9423758525

3}Dr. A. M. Pachpinde
Ad-hoc Board in Chemistry
JASC College, Anadur,
Tq. Tuljapur, Dist. Osmanabad
Mob: 9850804456

4}Dr. V. S. Suryawanshi
Ad-hoc Board in Chemistry
SCS College. Omerga,
Tq. Tuljapur, Dist. Osmanabad
Mob: 8087715094

Subject: Constitution of Ad-hoc Board in Chemistry (Certificate Courses-Food Chemistry)

Sir/Madam,

I am to inform you that the Hon'ble Principal is pleased to nominate you as a Member/Chairman on the Ad-hoc Board in Chemistry for this previous year 2021-22 as per provision statute-159 of the university act.

While requesting you to accept this invitation to work on the Ad-hoc Board. I do realize your busy moments in your own field. Yet in view of your expertise in the subject. I shall be thankful if you accept the membership of the Ad-hoc Board for enriching the academic standards of the university through your valuable contribution.

Your appointment shall be governed by and subject to the provisions of the Maharashtra Public University Act, 2016 as amended from time to time.

Kindly communicate your acceptance at the earliest.


Principal
Principal
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Date: 03/10/2019

Notice

All the students enrolled in certificate course in food chemistry run by department of chemistry are hereby informed that the Department of chemistry is going to conduct a final test on "Food Chemistry" during this month on

Time-Table for Exam (2018-19)

Sr. No	Roll Number	Name of Student	Hall. Number
1	AA-01	Kadam Akash Prakash	04
2	AA-02	Kadam Onkar Arun	
3	AA-03	Kadam pratiksha Arun	
4	AA-04	Kadam Pravin Tukaram	
5	AA-05	Kadam Vishal Prakash	
6	AA-06	Kage poonam Pandit	
7	AA-07	Kakade Revati Hirachand	
8	AA-08	Kalake Santoshi Ganapati	
9	AA-09	Kalbande Parvati Suresh	
10	AA-10	Kalbande Pratik Dattu	
11	AA-11	Karpe Ashwini Panchappa	
12	AA-12	Karpe Manjushri Shrikant	
13	AA-13	Karpe onkar Chandradant	
14	AA-14	Kore Arvind Janardhan	
15	AA-15	Kshirsagar Nitin Vilas	
16	AA-16	Kumbhar Shrishail	05
17	AA-17	Kumbhar Vicky Mallinath	
18	AA-18	Labde Yashwant Laxman	
19	AA-19	Landage Laxman Narsing	
20	AA-20	Langade Shraddha	
21	AA-21	Lohar Ankita Nagnath	
22	AA-22	Loke Mauli Sanjay	
23	AA-23	Lokhande Pooja Nashivant	
24	AA-24	Lokhande Shruti Nashivant	
25	AA-25	Lokhande Sunil Dayanand	
26	AA-26	Lokhande Ragini Shesherao	
27	AA-27	Madje Sulochana Sanjay	
28	AA-28	Maitri Satyajeet Shivanand	
29	AA-29	Manale Laxman Angad	
30	AA30	Mashalkar Chaitali Subhash	

Co-ordinator

Head

Principal
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Department of Chemistry

Jawahar Arts, Science and Commerce College, Anadur

Add on Course on "Food Chemistry"

Question Paper – 2018 -2019


Date: 03/10/2019

All questions are necessary

Each Ques. Carry 2 marks.

Total Marks: 50

1. Which one of following groups of chemicals is not a food nutrient?
a) Proteins b) enzymes c) carbohydrates d) vitamins
2. The chemical reaction that takes place during digestion that involves the breakdown with water is:
a) Hydrolysis b) hydration c) oxidation d) regulation
3. When proteins are completely broken down the end products are:
a) Glucose molecule b) glycerol molecules c) amino acids d) vitamins
4. The movement of food along the alimentary tract is called:
a) Secretion b) peristalsis c) absorption d) hydrolysis
5. Which of the following foods does not contain carbohydrates?
a) potato b) sugar c) meat d) rice
6. Which one of the following provides the greatest energy value per gram of nutrient?
a) Carbohydrate b) fat c) protein d) water
7. Approximately how much protein does an average adult male require each day?
a) 24g b) 72g c) 120g d) 240g
8. The amount of calcium required per day in adults is:
a) 5mg b) 50mg c) 250mg d) 500mg
9. Which one of the following minerals is often added to the water supply in order to help reduce tooth decay?


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- a) Iodine b) fluorine c) chlorine d) potassium

10. Three of the following minerals and vitamins may be involved in anemia of one type or another. Which one is not?

- a) vitamin C b) calcium c) vitamin B12 d) iron

11. Excess energy from the diet is most likely to be stored in the body as:

- a) Fat b) fibre c) salt d) sugar

12. Following recent nutritional guidelines, which one of the following should be increased in the diet?

- a) Fat b) fibre c) salt d) sugar

13. Which one of the following nutrients do adult women require in greater amount than adult men?

- a) Calcium b) protein c) iron d) vitamin D

14. What is the collagen converted into if meat is cooked by a slow moist method of cooking?

- a) Fat b) myoglobin c) elastin d) gelatin

15. Which of the following types of beef is likely to contain the least connective tissue?

- a) Shank b) topside c) brisket d) neck

16. White flour has an extraction rate of approximately:

- a) 60-65% b) 70-75% c) 80-85% d) 90-95

17. A suitable temperature for the storage of most vegetables is:

- a) 0° b) 5° c) 15° d) 20°

18. In which of the following methods of cooking is the highest cooking temperature reached

- a) Deep fat frying b) boiling c) roasting d) steaming

19. A temperature at which fat is used for deep frying is likely to be approximately:

- a) 150°C b) 185°C c) 210°C d) 225°C

20. Most foods should be stored under cool, dry conditions. One of the following groups has a longer life if conditions are not too dry:



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- a) Meat and poultry b) fruit and vegetables c) cereals d) dried fruits
21. Which one of the following chemicals has been associated with chemical food poisoning?
- a) Lead b) iron c) calcium d) phosphorus
22. Which one of the following is not a suitable material for a food preparation surface?
- a) Stainless steel b) compressed rubber c) hardwood d) plastic laminate
23. The temperature of the water in the rinsing sink of a double sink method of washing-up should be:
- a) 40°C b) 60°C c) 80°C d) 100°C
24. In which one of the following canned foods can the heat treatment of the canning process be lowest?
- a) Potato (pH6) b) Tomatoes (pH4) c) corned beef (pH7) d) Salmon (pH7)
25. Most foods can be stored in a domestic freezer for approximately:
- a) Six weeks b) twelve weeks c) twelve month d) three years

दुरितांधे तिमिर जादो !

Shikshan Prasarak Mandal's Anadur

JAWAHAR ART'S, SCIENCE & COMMERCE COLLEGE, ANADUR

Tq. Tuljapur, Dist. Osmanabad-413 603

NAAC GRADE - B++(CUPA 2.81)

President :-

Shri. B.F.Kasture

Secretary :- Shri. S.N. Alure Guruji

I/C Principal :- Dr.Smt. M.B. Jadhav(Mob.9960242667)

☎ :- (02471) 246037, 246737

Department of Chemistry

Jawahar Arts, Science and Commerce College, Anadur

Add on Course on Food Chemistry

Mark List - 2018-2019

Sr. No	Roll. Number	Name of Student	Class	Obtained Marks	Out of Marks
1	AA-01	Kadam Akash Prakash	B.Sc-I	40	50
2	AA-02	Kadam Onkar Arun	B.Sc-I	42	50
3	AA-03	Kadam pratiksha Arun	B.Sc-I	38	50
4	AA-04	Kadam Pravin Tukaram	B.Sc-I	36	50
5	AA-05	Kadam Vishal Prakash	B.Sc-I	40	50
6	AA-06	Kage poonam Pandit	B.Sc-I	41	50
7	AA-07	Kakade Revati Hirachand	B.Sc-I	38	50
8	AA-08	Kalake Santoshi Ganapati	B.Sc-I	45	50
9	AA-09	Kalbande Parvati Suresh	B.Sc-I	42	50
10	AA-10	Kalbande Pratik Dattu	B.Sc-I	36	50
11	AA-11	Karpe Ashwini Panchappa	B.Sc-II	42	50
12	AA-12	Karpe Manjushri Shrikant	B.Sc-II	39	50
13	AA-13	Karpe onkar Chandradant	B.Sc-II	41	50
14	AA-14	Kore Arvind Janardhan	B.Sc-II	36	50
15	AA-15	Kshirsagar Nitin Vilas	B.Sc-II	39	50
16	AA-16	Kumbhar Shrishail	B.Sc-II	41	50
17	AA-17	Kumbhar Vicky Mallinath	B.Sc-II	38	50
18	AA-18	Labde Yashwant Laxman	B.Sc-II	43	50
19	AA-19	Landage Laxman Narsing	B.Sc-II	35	50
20	AA-20	Langade Shraddha	B.Sc-II	45	50
21	AA-21	Lohar Ankita Nagnath	B.Sc-II	42	50
22	AA-22	Loke Mauli Sanjay	B.Sc-II	39	50
23	AA-23	Lokhande Pooja Nashivant	B.Sc-II	41	50
24	AA-24	Lokhande Shruti Nashivant	B.Sc-II	36	50
25	AA-25	Lokhande Sunil Dayanand	B.Sc-II	39	50
26	AA-26	Lokhande Ragini Shesherao	B.Sc-II	41	50
27	AA-27	Madje Sulochana Sanjay	B.Sc-II	38	50



दुरितांचे तिमिर जावो !

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28	AA-28	Maitri Satyajeet Shivanand	B.Sc-II	43	50
29	AA-29	Manale Laxman Angad	B.Sc-II	35	50
30	AA30	Mashalkar Chaitali Subhash	B.Sc-II	45	50


Coordinator

(Dr. D. N. Gattlewar)

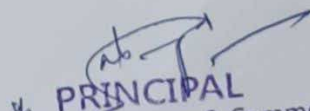

Head of Department


Principal
Jawahar Arts, Science & Commerce College
Anadur, Tal. Tuljapur, Dist. Osmanabad.

Certificate Course Final Report

On "Food Chemistry-2018" 2019

Total 30 students enrolled & completed this certificate course. During this students got awareness about the food contamination & purity of food. After this certificate course students express the satisfaction. After all in a small indoor ceremony the certificates are distributed to the students in presence of Hon. principal.


PRINCIPAL
Jawahar Arts, Science & Commerce
College, Anadur,
Tal. Tuljapur, Dist. Osmanabad.