

**Making of Detergent Powder, Flavoured  
Soaps, Phenyl, Shampoo**

## Notice

Dt. 31/12/2019

All the students of BSc BZC, MPC are informed that chemistry department is going to offer 10 days Certificate program on " Making of Detergent Powder, Flavoured Soaps, Phenyle, Shampoo" to Bsc students from 21/01/2020. To 31/01/2020. Therefore Interested students are requested to give their names to chemistry faculty immediately.

*Cw...*  
I/C Chemistry Dept.

S. Radhika III MPC/4.  
B2C III yr  
B2C-2 Dh

*B*  
Principal 31/12/2019  
PRINCIPAL  
B.J.R. Government Degree College  
Vittalwadi, Narayanaguda,  
Hyderabad-29. T.S.

# Certificate Course

Academic year 2019-2020

37.

As per the IQAC resolutions, it was decided by the Chemistry Department to conduct a Certificate Program in Chemistry with the title of the course "making of detergent powders, different flavoured soaps, shampo and shampoo in the month of January 2020 for the BSc life sciences and physical sciences final year students.

## Resolutions :-

1. To send a circular to the BSc final year students
2. It has been resolved to prepare the list of students, who are interested in participating the course.
3. It has been resolved to prepare time-table, syllabus and schedule

## Need Analysis of the Course

Students in the present generation after completing under-graduation course are standing at a position where they cannot find solutions for unemployment.

We can see unemployment problem in the youth in the peak stage hence chemistry Department on request from the students of BSc to find a solution for that direction for self-employment have decided to conduct a Certificate programme on making of household items like detergent powder, different flavoured soaps, shampoo, so as to encourage students to establish small scale industries and can create self-employment.

## Objectives and out-comes of the course

### Objectives & aims of the course:-

1. This course enables the students to learn practical skills & mechanisms for the preparation of soaps & detergent powder.
2. Students can understand the role of chemicals in domestic household items.
3. Students understand the reaction mechanisms for the synthesis.

### outcomes of the certificate course.

1. Students understand chemistry relating to daily life.
2. Students can develop self-confidence to enter into the market to built their business.

## Outline of the course

The following syllabus has been framed for the Certificate course

- History of soaps. Explaining the nature & types of soaps.
- theory behind the synthesis of soaps.
- Mechanism of action of soaps in binding dirt particles.
- procedure of preparation of soaps.
- Synthesis of different flavoured soaps.
- Demonstration and practical experience of preparation of soaps.

- detergent powder introduction
- history of detergents
- mechanism for removal of soils & their kinetics
- Effects of laundry detergents on environment.
- chemicals required for the preparation of detergents
- Demonstration & practical experience.

- phenyl history from pine oil usage.
- purpose of emulsifiers in the preparation
- use of pine oil as disinfectant.

BJR GOVT. DEGREE COLLEGE, BAZARGHAT, HYDERABAD.

DEPARTMENT OF CHEMISTRY

REPORT

10 days certificate course on:

**"Making of Detergent powder, Soaps, Phenyle, shampoo"**

The department of Chemistry has conducted a 10-days certificate course on "**Making of Detergent powder, Soaps, Phenyle, shampoo**". The period of course was from 21-01-2020 to 31-01-2020

This course is mainly designed to improve the Practical skills and employability skills in chemistry. This course is not only for understanding chemistry relating to daily life and also useful that they can establish a small scale Industry and can become entrepreneurs.

Total syllabus was decided into (02) units and time table for 30 classes. Out of 30 classes 10 were classes and 20 were practice sessions. Distribution of the syllabus was done among 03 (three) resource persons, which includes Smt.G.Vijaya Jyothi, Dr.A.Santhoshi, Sri.D.Prakash. The syllabus was completed as per the division and time table,

The course was designed by the committee and member with the Principal, Dr.Bala Bhaskar, as chair person, Dr.Geetha Lakshmi Patnaik, Vice principal, Smt.G.Vijaya Jyothi, Dr.A.Santhoshi, Sri.D.Prakash as members. It is decided HOD to act as coordinator.

A test was conducted at the end of the session for all the participating students to assess the fulfillment of the objectives. All the students were qualified. A feedback of the programme was also collected from the participants. Most of the students appreciated the programme. The suggestions given by the students were recorded and decided to incorporate in the future course.

Certificates are distributed to 20 students by the principal, Head of the chemistry Department, other members of the department were present on the occasion.



## Feedback

This course was useful and created self-confidence for establishing self employment.

Nayya

The course use full TO establish smallscale industries

Bhavani

After the course my practical skills

Chandu

The course was very useful Anusha

The course was very good in improving practical skills

Nanyg



40.3

Name of the student

Roll No.	Class	Date	Date	Date	Date	Date	Date	Date	Date	Date
1070-17	BSc III Yr	21/1/2020	22/1/2020	23/1/2020	24/1/2020	25/1/2020	26/1/2020	27/1/2020	28/1/2020	29/1/2020
1. Kodicherla Sateen	BSc III Yr	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu
2. D Chandrashekar	BSc III Yr	Sri Krishna	Sri Krishna	Sri Krishna	Sri Krishna	Sri Krishna	Sri Krishna	Sri Krishna	Sri Krishna	Sri Krishna
3. K. Hazi Krishna	BSc III Yr	manuiky	manuiky	manuiky	manuiky	manuiky	manuiky	manuiky	manuiky	manuiky
4. N. Meenuka	MPC III Yr	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana
5. N. Bhavanu	MPC III Yr	Patilika	Patilika	Patilika	Patilika	Patilika	Patilika	Patilika	Patilika	Patilika
6. Prathiba	MPC III Yr	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7. Ramavath Venkatesh	MPC III Yr	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu
8. S. Sarinivasulu Goud	MPC III Yr	Anusha	Anusha	Anusha	Anusha	Anusha	Anusha	Anusha	Anusha	Anusha
9. T. Anusha	MPC III Yr	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu
10. B. Swapna	MPC III Yr	Supreet	Supreet	Supreet	Supreet	Supreet	Supreet	Supreet	Supreet	Supreet
11. Ch. Ramya	MPC III Yr	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
12. G. Mammatha	MPC III Yr	Manuika	Manuika	Manuika	Manuika	Manuika	Manuika	Manuika	Manuika	Manuika
13. Rathod Ashwini	MPC III Yr	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
14. Sale Pavathi	MPC III Yr	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
15. Attapu Chandu	MPC III Yr	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
16. B. Prityanka	MPC III Yr	Prityanka	Prityanka	Prityanka	Prityanka	Prityanka	Prityanka	Prityanka	Prityanka	Prityanka
17. B. Sailatha	MPC III Yr	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu	Sreenu
18. G. Ransitha	MPC III Yr	Ransitha	Ransitha	Ransitha	Ransitha	Ransitha	Ransitha	Ransitha	Ransitha	Ransitha
19. K. Rama Devi	MPC III Yr	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. K. Vijay Kumar	MPC III Yr	Sri Kanth	Sri Kanth	Sri Kanth	Sri Kanth	Sri Kanth	Sri Kanth	Sri Kanth	Sri Kanth	Sri Kanth
21. M. Saikanth	MPC III Yr	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
22. P. Navya	MPC III Yr	Navya	Navya	Navya	Navya	Navya	Navya	Navya	Navya	Navya

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