

**Government Degree College for Women
(Autonomous), Begumpet**



Department Of Chemistry

Workshops Report

2020-2021

Workshops Conducted during the Academic Year 2020-2021

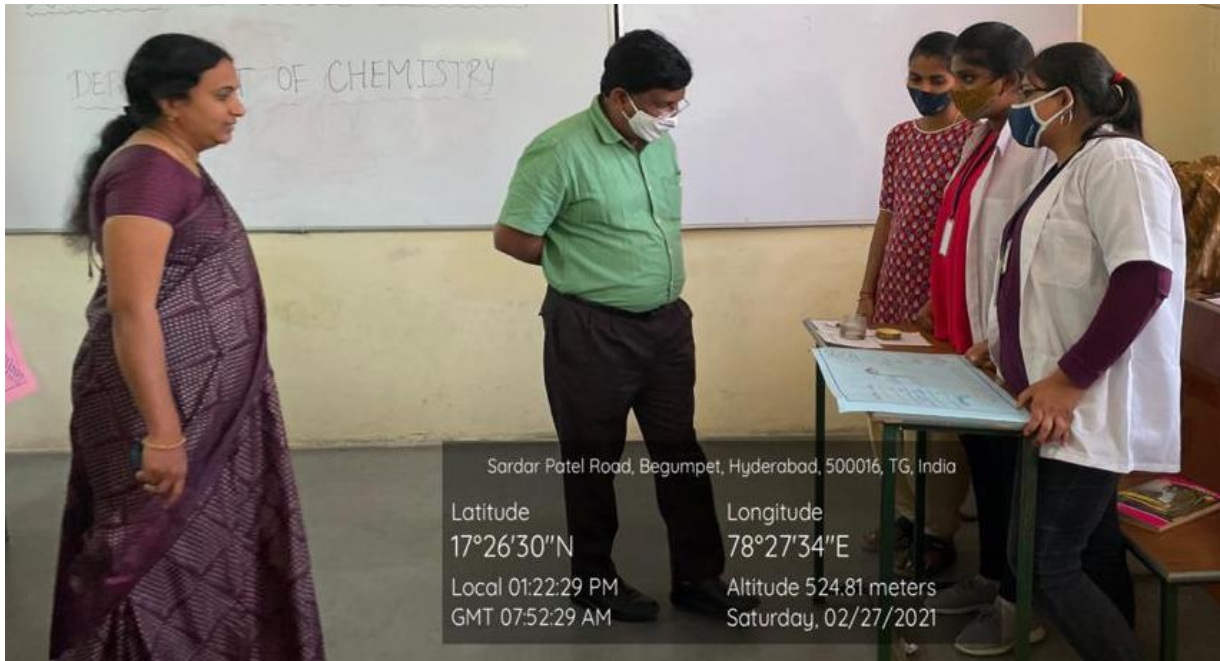
Workshop on “ Daily used Products” conducted on 27.02.2021

Aim of the Workshop: To create an entrepreneurial idea and enhance skills of the students.

About the Workshop: The department of chemistry has conducted workshop on “**Daily used products**” on 27.02.2021. All the III year students prepared various daily used products like Talcum powder, Kajal , Kumkuma, Tooth paste, Lip balm, Lavender body oil, Perfume, B-B cream, Homemade herbal shampoo, non- acetone nail polish remover and Foundation. The students demonstrated the preparation method of those compounds and explained the uses of homemade products.

Outcome of the programme: Principal, all the staff members and students of GDCW visited the workshop and appreciated the programme. The department of chemistry has got very good response from staff and students for this programme. The Principal suggested implementing the small scale industry of those products.

- Students could learn the collaborative work in designing and the preparation of the products.
- The students gained knowledge about the preparation of daily used products & their safety priority over products which are available in the market.
- The students learnt the applications & properties of various ingredients that can be used to prepare daily used products.
- It was very useful for the students to establish small scale industry and to become entrepreneurs.
- The students have developed creative thinking and improved their communication skills.



Sardar Patel Road, Begumpet, Hyderabad, 500016, TG, India

Latitude
17°26'30"N

Longitude
78°27'34"E

Local 01:22:29 PM
GMT 07:52:29 AM

Altitude 524.81 meters
Saturday, 02/27/2021

Daily Used Products prepared by the students

PREPARATION OF TALCUM POWDER

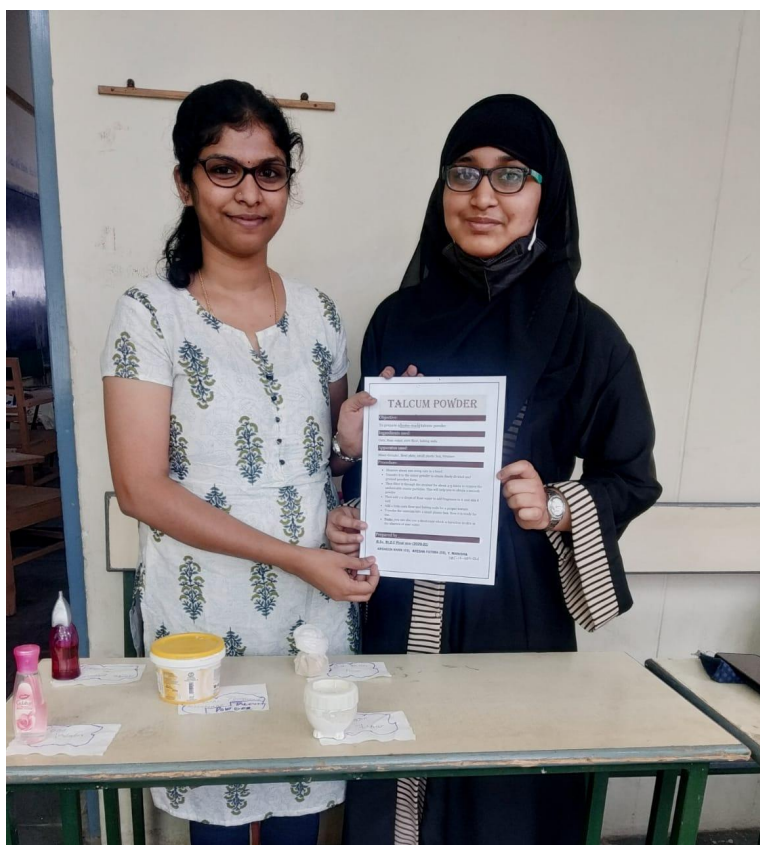
AIM: To prepare a home-made talcum powder.

APPARATUS: Mixer-Grinder, Steel plate, small plastic box, Strainer.

MATERIALS REQUIRED: Oats, Rose water, corn flour, baking soda.

PROCEDURE:

- Measure about 100-200g oats in a bowl.
- Transfer it to the mixer grinder to obtain finely divided and grained powdery form.
- Then filter it through the strainer for about 4-5 times to remove the undesirable coarse particles. This will help you to obtain a smooth powder.
- Then add 1-2 drops of Rose water to add fragrance to it and mix it well.
- Add a little corn flour and baking soda for a proper texture.
- Transfer the contents into a small plastic box. Now it is ready for use.
- **Note-** you can also use a deodorant which is harmless to skin in the absence of rose water.



Done by B.Sc. Bt.Z.C Final year students

ARSHEEN KHAN (03), AYESHA FATIMA (05), Y. MANISHA

PREPARATION OF SOAP

AIM: To prepare a soap base.

APPARATUS: Beakers, glass rod, spatula, burner, tripod stand, wire gauge.

MATERIALS REQUIRED: Sodium hydroxide (caustic soda), coconut oil, water, sodium chloride (common Salt), filter paper, litmus paper.

PROCEDURE:

Take 50ml water in a beaker and add 15 gms of sodium hydroxide and stir well to prepare sodium hydroxide solution. It is an exothermic reaction. Hold the beaker carefully.



Test the solution using litmus papers. No change in blue Litmus paper indicates the solution is basic.

Take 15 gms of sodium chloride in 200 ml water and prepare salt solution.

Take 60ml coconut oil in a large beaker.

Now add sodium hydroxide solution drop by drop into large beaker containing oil by continuous stirring.

Heat the mixture by placing it on a tripod stand and wire gauge for 10 to 15 minutes. Stir continuously.

Add salt solution to this mixture and stir it. Let it rest for some time.

Now filter it using a filter paper and collect the filtered material in a soap mould and let it rest for 45-60 mins.

PRECAUTIONS: Do not touch sodium hydroxide with hand as it can cause irritation and burn.

Wear the gloves and use spatula.

RESULT: Soap base is now ready. We can add different essential oils for fragrance and colors and also we can mould it into different shapes of our interest

Done by B.Sc. Bt.Z.C Final year students

A. Sindhu bhargavi, T.Jyoti, O. Manasa, S.Pavani, S .Geetha, Vennam.Pooja, Vadla PooJa

PREPARATION OF SOAP CONDITIONER

Ingredients: Coconut Oil Aloe vera gel, Rose Water, Evion -400 (Vitamin "E" Capsules), Essential

Preparation:-

Add.2 tsp of Aloe vera gel into mixy jar next add t tsp of coconut oil into the jar. In that same jar add 4 tsp of Rose Water for better Result add Vitamin "E" capsules into the jar at last three will be ingredient. That is Essential oil Can store in glass jar up to 3 weeks in Fridge. add this Oil into That Four Ingredients. then at last mix all the Ingredients



HOW TO APPLY:-

Apply two spoons of conditioner to the Hair Which is Wet You can Apply it. While going to Sleep. Wash it Gently After Wakeup. There is No Problem if We wash or not For Split Hair And Rough Hair it will gives a very good result by Applying Daily to our Hair, hair becomes smooth, shiny and very healthy.

Done by B.Sc. Bt.b.C Final year students

G. Rupa Sri, D. Ramya, A. Sneha, C. Angali AND B. Kavitha

PREPARATION OF KAJAL(KATUKA)

AIM: To prepare katuka naturally by using badaam

Materials: Badaam, cotton , coconut oil, castor oil and a plate.

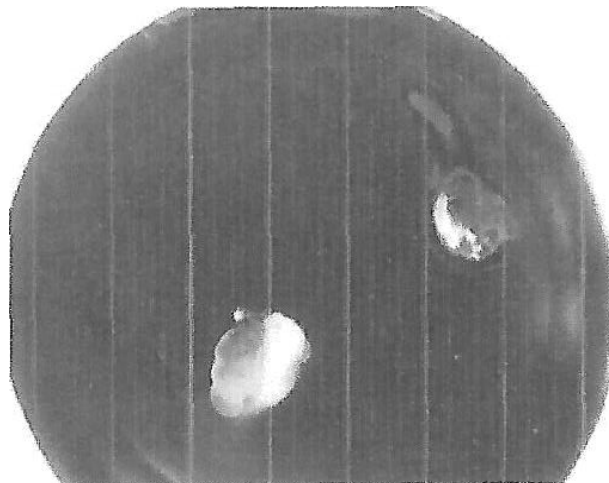
Procedure:

- First take some almond and crush it into small pieces and after crushing it mix with ajowan
- Later take some cotton and wispher it and place the mixture on cotton and spread it evenly.
- Now apply ghee/oil to sides.
- Now put a wick in lamp and light the lamp.
- Place plate on top of the lamp such a position the flame touches the plate with the help of a stand.
- Place this lamp in a place with no wind blowing, let the lamp as long as the oil burn.
- When the oil is burnt, you will see a thick powdery black residue on the plate. This is the base of your kajal.
- Take half spoon of oil which you kept aside in the starting, and pour it into the black residue, drop by drop. Rub the residue and oil with one finger for 1-2 minutes. Make the kohl as consistent as you want it. *Too thin and \our kohl will smudge, too thick and it will be in lumps.*
- Your kohl is ready to use. put the kohl in an airtight box. T2efrigerate it for 2-4 hours before tne first use.

Remove and store it at room temperature.

- Apply on your eyes.

Precautions: Mix the soot with coconut oil, without It may cause rashes to eyes.





Done by BSc MZC 3rd Year

Duggirala Mounika Sai, T.Jyoti, S. Rajeshwari, Samreen Sultana, Afreen

EYE LINER

PREPARATION OF EYE LINER

EYELINER INGREDIENTS LIST

- A Glass Bowl
- Vitamin E Oil
- Aloe Vera Gel
- Lavender Essential Oil
- Organic Shea Butter
- Activated Charcoal Powder

WATERPROOF EYELINER RECIPE - STEP BY STEP

- Take a small clean glass bowl and pour one teaspoon of Vitamin E oil in it.
- **Make Opaque:** Now, add a half teaspoon of Aloe Vera Gel in it. Mix it well till the mixture becomes opaque.
- **Add Essential Oil:** Next, you need to add few drops of lavender essential oil as it helps protects from eye mites and things similar to that.
- **Use Charcoal:** Next step is to add few sections of activated charcoal powder in the

mixture depending on the blackness you need in your eyeliner

- **Mix Shea Butter:** Take some organic shea butter. microwave it and add melted shea butter to the mixture in the bowl.
- **Mix:** Mix all the ingredients very well. You can use a teaspoon to do that.

Move Eyeliner Gel: Now, transfer the solution made to

the container in which you'd like to store your gel eyeliner.

- **Store:** Keep the container in the refrigerator overnight so that it gets hardened.

y: [Bsc (BTZC)3rd year]

t begum, Saniya anjum, Heena begum,
begum, Thamseen



PREPARATION OF KUMKUM



AIM: To prepare Kumkum using household products

MATERIALS: Turmeric powder, Baking soda, Lemon juice, Bowl.

PROCEDURE: 1. Take a small bowl add 2 table spoons of turmeric powder.

2. Add 1 table spoon of baking soda and mix it thoroughly
3. Now add half of the Lemon juice
4. mix well all the ingredients with fingers until! it turns into red colour.
5. Now keep the mixture in the sunlight to get darker colour for atleast 1 hour.
6. After getting the desired colour seive it for fine powder.

PRECAUTIONS: Make sure that mixture get well dried under sunlight.

OBSERVATION: We observe that the yellow coloured turmeric powder turn into dark red colour.




Done by B.Sc. Bt.b.C Final year students

Neha Sultana, C. Deepika, D. Swetha, K.Yamini, P.Manisha

Sl. No.	Roll Number	Name	Class	Sign
01	170102549013	A. Valavi	BSC II ya	Valavi
2	170102549002	A. Sridhar	BSC II ya	Sridhar
3	170102549017	P. Shrivani	BSC II ya	Shrivani
4	170102549020	P. Ananditha	BSC II ya	P. Ananditha
5	170102549012	E. Swetha	BSC II ya	E. Swetha
6	170102549017	D. Swetha	BSC II ya	D. Swetha
7	170102549020	C. Raga	BSC II ya	C. Raga
8	170102549015	E. Sanyasi	BSC II ya	E. Sanyasi
9	170102549016	B. Malavi	BSC II ya	B. Malavi
10	170102549012	E. Snehalika	BSC II ya	E. Snehalika
11	170102549001	Ranjitha	BSC II ya	Ranjitha

PRINCIPAL
Sri. Srinivas College for Women
Bengaluru

NO	Roll Name	Roll NO	Group	Sign
1)	A. Shishcha	108518445110	BSc B2C (2 nd year)	[Signature]
2)	D. Jagannath	108518572014	BSc B2C (5 th year)	[Signature]
3)	M. Suresh	108519424220	BSc B2C - 1 st year	[Signature]
4)	L. Prasanna	108519499017	BSc B2C 1 st year	[Signature]
5)	G. Chavani	108519487012	BSc B2C 2 nd year	[Signature]
6)	E. Prityanka	1200085445055	BSc B2C	[Signature]
7)	G. Sindhu	120518445063	BSc B2C - 1 st year	[Signature]
8)	C. Jayacharan	12050445031	BSc B2C - 1 st year	[Signature]
9)	C. Ekavitha	108519489010	B2C 5 th year	[Signature]
10)	Prityanka	108518489018	B2C 5 th year	[Signature]
11)	Spandana	108518489002	B2C 5 th year	[Signature]
12)	Ch. Akshita	1085184829005	B2C III rd year	[Signature]
13)	Pollasi	1085184829027	B2C Bys	[Signature]
14)	Rupali	1851848201221	B2C Bys	[Signature]


 Lecturer in Chemistry
 Govt. Degree College for Women
 Bangalore, Karnataka-56

Roll number	Name	class	Sign
108519489017	P. Prityanka	BSc physical science	[Signature]
108519489010	Ch. Kalpani	BSc physical science	[Signature]
108519489017	Prityanka	BSc physical science	[Signature]
108519489010	D. Prasanna	BSc physical science	[Signature]
108519489017	Evagadaha Bys	BSc physical science	[Signature]
108519489010	Sate sai raja Prityanka	BSc physical science	[Signature]
108519489010	Rajula Suresh	BSc physical science	[Signature]
108519489010	Randa Akshita	BSc physical science	[Signature]
108519489010	Geegari Akshita	BSc physical science	[Signature]
108519489010	G. Haritha	BSc physical science	[Signature]


PRINCIPAL
 Govt. Degree College for Women
 Bangalore, Karnataka-56

