



GOVERNMENT DEGREE COLLEGE

Tekkali, Srikakulam Dist. A.P.

Institute Reaccredited by NAAC at 'B' Level

Department of Botany & Horticulture

Report on

CERTIFICATE COURSE

Title

PLANT BASED ORGANIC COSMETICS

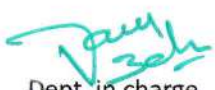
04-09-2025 to 30-10-2025



In-Charge : D.VASU BABU HOD, Lecturer in Botany

Coordinators : S.PARAMESWARA RAO Lecturer in Botany

PRINCIPAL : Dr. T.GOVINDAMMA


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Govt. Degree College
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Subject: Proposal for Conducting Certificate Course

To
The Principal

Respected Sir/Madam,

I am writing to seek permission to conduct a Certificate Course on **ORGANIC COSMETICS** in our institution. The objective of this course is to enhance the knowledge and practical skills of students in the area of **usage of organic based products instead of chemical**, which is highly beneficial for academic development and career opportunities.

The proposed course will cover key topics such as:

- Kajal Castor Oil-Based
- Beetroot Lipstick
- Face Compact Powder

The duration of the course will be 04-09-2025 to 30-10-2025 (30hrs) [duration, e.g., 4–6 weeks], and it will be conducted through a combination of lectures, practical sessions, and assessments. Qualified faculty members and subject experts will be involved in delivering the course content.

This initiative will help students gain industry-relevant skills and improve their employability. Necessary infrastructure and resources will be utilized effectively to ensure smooth conduct of the program.

I kindly request your approval to proceed with organizing this certificate course.

Thank you for your consideration.

Yours sincerely,
D. Vasu babu
Lecturer in Botany
Dept. Of Botany
Government Degree College, Tekkali

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DEPARTMENT RESOLUTION FOR CONDUCTING CERTIFICATE COURSE

A meeting of the Department of **Botany** was held on **02-09-2025** at **11am** in **staff room** under the chairmanship of **Head of the Department D.vasu babu**.

The following members were present:

1. S.Parameswarra rao, lecturer in Botany
2. M.Thavudu, lecturer in Horticulture

Agenda:

To discuss and approve the conduct of a Certificate Course on **Plant Based Organic cosmetics**

Resolution:

After detailed discussion, the department unanimously resolved to introduce and conduct a Certificate Course titled "**Plant Based Organic cosmetics**" for the benefit of students. The course aims to enhance knowledge and practical skills in plant products.

The key details of the course are as follows:

- **Duration:** [e.g., 4–6 weeks / 30 hours] 04-09-2025 to 30-10-2025
- **Eligibility:** Faculty & Students from any stream
- **Intake Capacity:** 30
- **Course Coordinator:** S.Parameswara rao
- **Mode of Delivery:** Offline/Online/Blended
- **Assessment Method:** Assignments/Tests/Project

The department also resolved to:

- Prepare a detailed syllabus and course schedule.
- Utilize available departmental infrastructure and resources.
- Invite subject experts, if necessary, for specialized sessions.
- Issue certificates to participants upon successful completion of the course.

The resolution was passed with the approval of all members present.

Signatures:

Head of the Department: _____


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Members: 1.

2.

CIRCULAR CERTIFICATE COURSE

Date: 02-09-2025

All the students are hereby informed that the Department of [Department of Botany and Horticulture is organizing a Certificate Course on "Plant Based Organic cosmetics".

The details of the course are as follows:

Course Title: Plant Based Organic cosmetics

- **Duration:** [e.g., 4-6 weeks / 30 hours], 04-09-2025 to 30-10-2025
- **Start Date:** 04-09-2025
- **Eligibility:** Faculty & Students from any stream
- **Mode of Conduct:** [Offline/Online/Blended]
- **Course Coordinator:** S.Parameswar rao

This course is designed to provide theoretical knowledge and practical exposure in **Botany**, enhancing students' academic and professional skills.

Interested students are requested to register on or before **04-09-2025** by contacting the course coordinator

Seats are limited and will be allotted on a first-come, first-served basis.

For further details, contact:
S.Parameswara rao


Head of the Department
D.vasu Babu

1. Ist maj. Botany 
2. IInd maj Botany 
3. III rd maj Botany 


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- 1) **Qualifications** : Any Degree
2) **Who can apply** : Faculty & Students from any stream
3) **Number of seats** : 30
4) **Medium** : Telugu & English
5) **Course duration** : 30 hrs.
6) **Instructional hrs. (teaching)** : 1hr per day
7) **Instructional hrs timings** : 4pm to 5pm
8) **Mode of instructions** : OFFLINE
9) **Final assessment** : exam
11) **Instructors** : D.vasu babu., M.Sc., B.Ed., NET lecturer in botany,
S.Parmeswara rao, M.Sc., SET lecturer in botany
12) **Fee** : free of cost
13) **Registration** : Contact dept. of Botany

Objectives of the Programme

1. Promote Natural & Reduce exposure to
2. Encourage Environmental Sustainability
3. Uphold Ethical Standards
4. Improve Skin Health and Efficacy
5. Respond to Consumer Demand
6. Innovate in Green Beauty Science

Outcomes:

- Beetroot provide a natural pinkish hue to the lips, reducing the need for artificial colors.
- Moisturizing and Nourishing:
- Beetroot is rich in vitamins, minerals, and antioxidants, helping to hydrate, moisturize, and heal dry, chapped lips.
- Pigmentation Reduction: Regular use may help reduce pigmentation on the lips, leading to a more even tone.
- **Protection:** Some beetroot lip balms may include SPF for sun protection.
- Castor Oil Kajal
- **Eye Health:** Castor oil has anti-inflammatory and antibacterial properties that can help soothe tired or


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irritated eyes and potentially prevent infections.

- **Eyelash Growth:** Castor oil is believed to nourish hair follicles and promote thicker, longer eyelashes and eyebrows.
- **Cooling Effect:** Traditional kajal often incorporate ingredients like camphor that provide a cooling sensation to the eyes, reducing strain and discomfort.
- **Hydration:** Castor oil and other ingredients like almond oil or ghee keep the delicate skin around the eyes hydrated.

Syllabus

Total hours of instructions and practicals-40

MODULE -1: Fundamentals of Plant-Based Cosmetics & Safety

Introduction to natural cosmetics benefits over synthetic options.

Safety, hygiene, and sterilization protocols when preparing cosmetics (especially eye products).

Plant-based ingredients: castor oil, ghee, beeswax, herbal pigments (e.g., beetroot), natural waxes and butters,

MODULE 2: Kajal Castor Oil-Based

Traditional techniques: collecting soot via burning castor oil-soaked wick; using copper plate.

Ingredient variations: ghee, almond oil, camphor for cooling and anti-inflammatory benefits.

MODULE 3: Beetroot Lipstick

Utilizing beetroot juice/powder for natural lipstick

Exploring other plant-based colorants (hibiscus, rose petals).

Formulation essentials: mixing pigments with ghee, plant oils, beeswax for appropriate texture.

MODULE 4: Face Compact Powder (Natural Foundations)

Base ingredients: gram flour (besan), rice flour, arrowroot, natural clays, herbal powders.

Customizing shades using natural pigments: turmeric (yellow), beet (pink), sandalwood (neutral), cocoa for contour.

Compact powder formulation: binding agents like arrowroot or beeswax; texture and application techniques.


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Inauguration




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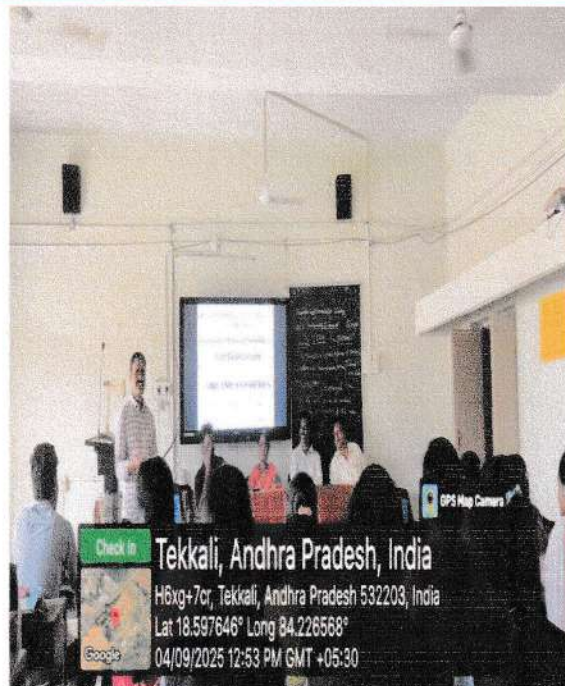
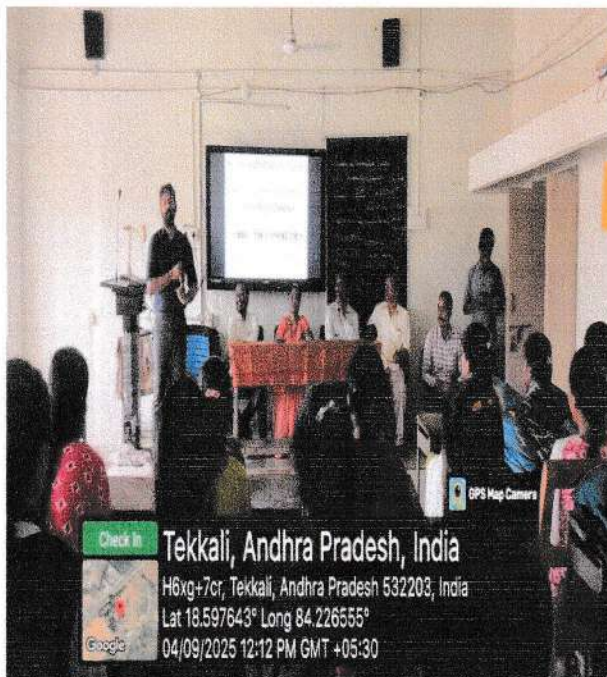

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News



శ్రీకాకుళం జిల్లా వార్తలు... వే2న్యూస్.లో డౌన్లోడ్

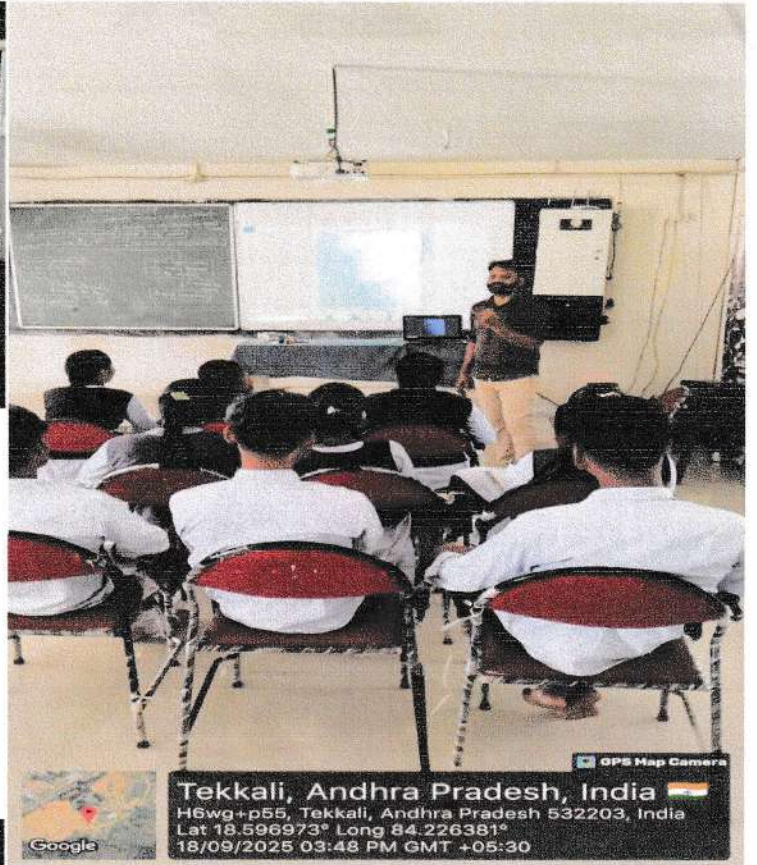
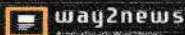


టెక్కలిలో ప్రారంభించిన ఆర్గానిక్ కాస్టెటిక్స్ సర్టిఫికేట్ కోర్స్

టెక్కలి ప్రభుత్వ డిగ్రీ కళాశాలలో గురువారం ఆర్గానిక్ కాస్టెటిక్స్ సర్టిఫికేట్ కోర్స్ ప్రారంభించినట్లు ప్రిన్సిపల్ డాక్టర్ గోవిందమ్మ ఒక ప్రకటనలో తెలిపారు. ఈ కోర్స్ పుష్కాస్త్ర విభాగం ఆధ్వర్యంలో విభాగాధిపతి వాసుబాబు పర్యవేక్షణలో జరుగుతుందన్నారు. అనంత కలిగిన వారు వినియోగించుకోవలసిందిగా కోరారు. ఈ కార్యక్రమంలో ల్యూక్ పాల్, హరి, ఎస్. వరమేశ్వరరావు ఇతర అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.

చి. రామారావు, ఇన్చార్జ్

No.1 తెలుగు న్యూస్ డైరీ. డౌన్లోడ్



GPS Map Camera

Tekkali, Andhra Pradesh, India

H6wg+p55, Tekkali, Andhra Pradesh 532203, India

Lat 18.596973° Long 84.226381°

18/09/2025 03:48 PM GMT +05:30



GPS Map Camera

Tekkali, Andhra Pradesh, India

H6wg+p55, Tekkali, Andhra Pradesh 532203, India

Lat 18.597086° Long 84.226171°

19/09/2025 11:46 AM GMT +05:30

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Practice



Certificate issue




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Certificate issue




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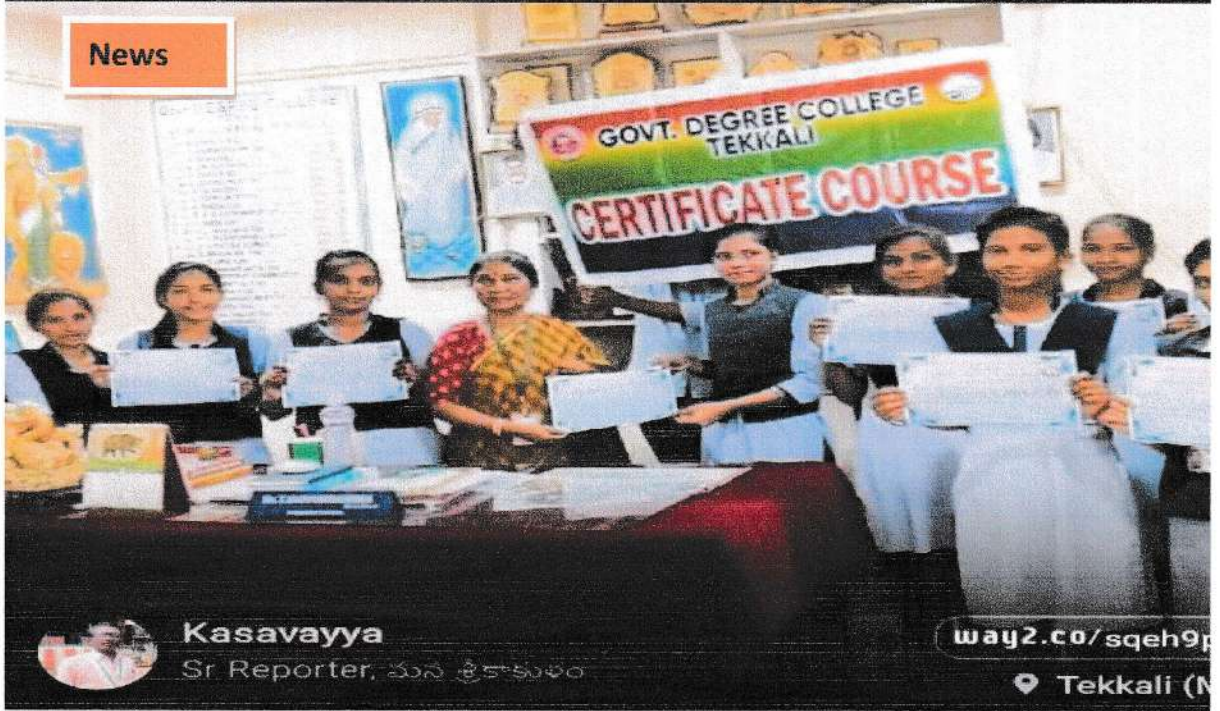

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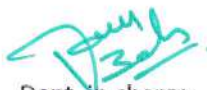
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టెక్కలి: 'ఆర్గానిక్ పదార్థాలు ఆరోగ్యంపై ప్రభావం చూపదు'

టెక్కలి ప్రభుత్వ డిగ్రీ కళాశాల వృక్ష శాస్త్ర విభాగం ఆధ్వర్యంలో వృక్ష సంబంధిత సౌందర్య లేపన ఉత్పత్తుల తయారీపై నిర్వహించిన సర్టిఫికేట్ కోర్స్ మంగళవారంతో ముగిసిందని ఇన్‌చార్జి అధ్యాపకుడు D.వాసు బాబు తెలిపారు. ప్రిన్సిపల్ డాక్టర్ టి. గోవిందమ్మ మాట్లాడుతూ..వృక్ష సంబంధ ఆర్గానిక్ పదార్థాలతో ఆరోగ్యంపై చెడు ప్రభావం ఉండదని తెలిపారు. అనంతరం విద్యార్థులకు ధువపత్రాలను పంపిణీ చేశారు.


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S.No.	Regd. No.	Name of the Student	Sign of the Student
1	23220030948001	ALLU PRAMEELA	A. prameela
2	23220030948002	AMPALAM SUCHITRA	A. Suchitra
3	23220030948003	BADANA POOJITHA	B. Poojitha
4	23220030948004	BADRI POOJITHA	B. Poojitha
5	23220030948006	BATSALA DIVYA	B. Divya
6	23220030948007	BETHA SUREKHA	B. surekha
7	23220030948008	BURELA LAVANYA	B. lavanya
8	23220030948009	DEVARA SAJANI	D. Sajani
9	23220030948012	GEDELA BALU	G. Balu
10	23220030948013	GEDELA PAVANI	G. Pavani
11	23220030948016	JEERU SUGUNA	J. suguna
12	23220030948018	KILLANA NEELAVENI	K. neelaveni
13	23220030948019	KOLAKA SAILAJA	K. sailaja
14	23220030948020	KONANGI HINDHU	K. Hindhu
15	23220030948022	MADDILA UMA RANI	M. Uma rani
16	23220030948023	MALLA LAKSHMI	m. lakshmi
17	23220030948024	NAGIRI VINAY	N. VINAY
18	23220030948026	NEELAPU DRAKSHAYANI	N. drakshayani
19	23220030948027	PAIDI GEETHANJALI	P. Geethanjali
20	23220030948028	PALLAVI BAIRI	pallavi Bairi
21	23220030948029	PONDARA USHA	P. usha
22	23220030948030	SAGIPALLI DEVI	S. Devi
23	23220030948032	SAVARA KAVYANJALI	S. kavyanjali
24	23220030948033	SAVARA KIRAN KUMAR	S. Kiran Kumar
25	23220030948034	SAVARA RAJKUMAR	S. Rajkumar
26	23220030948035	SAVARA UDAYKIRAN	S. Udaykiran
27	23220030948036	SIDDI LAVANYA	S. Lavanya
28	23220030948037	UPPALADA NIRMALA	U. Nirmala
29	23220030948039	VANDANA SIRISHA	V. sirisha
30	23220030948040	VAVILAPALLI BHARGAVI	V. Bhargavi

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Plant-Based Organic Cosmetics

* Time: 60 Minutes

Total Questions: 25

Each carries 2 Marks

Max.Marks : 50

Module 1: Fundamentals & Safety

1. Which of the following is a primary benefit of natural cosmetics over synthetic options?
A) Longer shelf life without any preservatives B) Reduced risk of skin irritation from harsh chemicals
C) Permanent color coverage D) Higher intensity of synthetic fragrances
2. Why is sterilization critical when preparing eye products like Kajal?
A) To enhance the fragrance B) To prevent bacterial infections in the sensitive ocular area
C) To increase the viscosity of the oil D) To darken the pigment
3. Which ingredient acts as a natural emollient and structuring base in many plant-based lipsticks?
A) Gram flour B) Beeswax C) Rice flour D) Turmeric
4. "Organic cosmetics" primarily avoid the use of which of the following?
A) Herbal pigments B) Plant-derived butters C) Parabens and phthalates D) Distilled water
5. Which plant-based oil is known for its high ricinoleic acid content and frequent use in eye care?
A) Almond oil B) Castor oil C) Coconut oil D) Sunflower oil

Module 2: Kajal (Castor Oil-Based)

6. In traditional Kajal making, what is collected as the primary black pigment?
A) Charcoal powder B) Burnt wood ash C) Soot from burning a castor oil-soaked wick D) Black clay
7. Why is a copper plate often used in the traditional collection of soot?
A) For its antimicrobial properties and cooling effect B) Because it is the cheapest metal available
C) To turn the soot into a green color D) To make the soot waterproof
8. What is the role of Camphor in a Kajal formulation?
A) To act as a heavy binding agent B) For cooling and anti-inflammatory benefits
C) To provide a sweet taste D) To thicken the oil into a solid
9. Which of the following ingredients adds Vitamin E and nourishment to a Kajal recipe?
A) Beetroot juice B) Almond oil C) Rice flour D) Arrowroot
10. Ghee (clarified butter) is used in Kajal primarily to:
A) Act as a chemical preservative B) Create a smooth, spreadable texture and soothe the eyes
C) Provide a matte, dry finish D) Bleach the pigment

Module 3: Beetroot Lipstick & Colorants

11. Which plant part is used to derive a deep pink or red pigment for natural lipsticks?
A) Sandalwood bark B) Beetroot juice or powder C) Gram flour D) Turmeric root
12. Besides beetroot, which flower is commonly used for natural red or pink tints?
A) Jasmine B) Hibiscus C) Marigold D) Lavender
13. What is the main function of beeswax in a lipstick formulation?

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- A) To provide the primary color B) To provide structure, firmness, and "slip"
C) To make the lipstick taste sweet D) To act as a solvent for water-based dyes

14. Natural lipsticks are often "anhydrous," meaning they are formulated without:

- A) Oils B) Waxes C) Water D) Pigments

15. Which of the following acts as a natural antioxidant to prevent oils in cosmetics from going rancid?

- A) Turmeric B) Vitamin E (Tocopherol) C) Beetroot D) Gram flour

Module 4: Face Compact Powder & Foundations

16. Which of the following is used as a natural base for face powders to absorb excess oil?

- A) Ghee B) Rice flour or Arrowroot powder C) Castor oil D) Rose petals

17. What is the common name for "Besan," used in natural face formulations?

- A) Wheat flour B) Gram flour (Chickpea flour) C) Corn starch D) Fuller's Earth

18. To create a yellow undertone in a natural foundation, which ingredient is typically used?

- A) Cocoa powder B) Turmeric C) Beetroot D) Charcoal

19. Which ingredient would you add to a face powder to create a "contour" or darker brown shade?

- A) Sandalwood B) Cocoa powder C) Rice flour D) Hibiscus

20. What is the primary purpose of a "binding agent" in a compact powder?

- A) To provide a floral scent B) To hold the loose powder together into a solid cake

- C) To bleach the skin surface D) To increase the weight of the product

General Knowledge & Ingredients

21. Which ingredient is prized for its neutral tone and skin-soothing properties in face powders?

- A) Sandalwood powder B) Black pepper C) Cinnamon D) Castor oil

22. "Natural clays" like Multani Mitti are used in powders primarily for:

- A) Adding glitter and shine B) Oil absorption and skin tightening
C) Making the product waterproof D) Turning the powder bright red

23. When working with natural pigments like rose petals, they must be _____ before being added to powders.

- A) Boiled in water B) Completely dried and finely ground
C) Kept frozen until used D) Mixed with heavy acids

24. Which of these is a plant-based wax alternative to beeswax for vegan formulations?

- A) Paraffin wax B) Candelilla wax C) Gelatin D) Lard

25. In organic cosmetic safety, "hygiene" includes which of the following?

- A) Using oxidized copper plates B) Reusing old containers without cleaning
C) Sanitizing all tools and hands before formulation D) Adding synthetic bleach to kill bacteria

PLANT-BASED ORGANIC COSMETICS Answer Key

Module 1: Fundamentals & Safety	1. B 2. B 3. B 4. C 5. B
Module 2: Kajal (Castor Oil-Based)	6. C 7. A 8. B 9. B 10. B
Module 3: Beetroot Lipstick & Colorants	11. B 12. B 13. B 14. C 15. B
Module 4: Face Compact Powder	16. B 17. B 18. B 19. B 20. B
General Knowledge	21. A 22. B 23. B 24. B 25. C

List of students

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Material :

Making kajal at home using

1. castor oil
2. A diya or small lamp
3. cotton wick
4. A metal plate

Coconut oil for mixing

Process:-

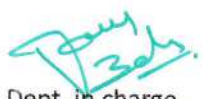
1. Fill the diya with castor oil and add a cotton wick. light the wick and place the diya between two metal glasses.
2. Collect the soot:- place a metal plate and top of the bricks, allowing the flame to touch the plate. collect the soot that forms on the plate.
3. Mix with ghee:- scrap the collected soot into a clean container mix it with ghee or castor oil to achieve the desired consistency.
4. Store:- store the homemade kajol in an air tight container apply it carefully to your eyes.
5. Benefits of home made kajol:-
 1. Avoid harsh chemicals found in commercial kajol products.
 2. Kajol is believed to cooling and healing properties for the eyes.
 3. home made kajol reduce the risk of irritation or allergic reactions.
 4. making kajol at home promote sustainability and reduce reliance on commercial products.

Video link :

https://drive.google.com/drive/folders/1NDCy8EGw3_Bn_laNLSqkvIOZ_Xfca86?usp=drive_link



Thank You


Dept. in charge
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GOVERNMENT DEGREE COLLEGE

Tekkali, Srikakulam Dist. A.P.

Institute Reaccredited by NAAC at 'B' Level

Material :

Making kajal at home using

1. castor oil
2. A diya or small lamp
3. cotton wick
4. A metal plate

Coconut oil for mixing

Process:-

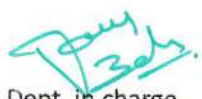
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