

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPHARM0422]

**APRIL 2022
(SEPTEMBER 2021 SESSION)**

Sub. Code: 2085

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 SEMESTER VIII
PAPER IX – COSMETIC SCIENCE
Q.P. Code: 562085**

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Explain briefly about the problems associated with skin and skin care products.
2. Mention the active substances used in deodorants and explain its mechanism of action.
3. Define cosmetics and cosmeceuticals. Classify cosmetics and cosmetic products with examples.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Outline the structure of hair and hair growth cycle.
2. Explain the role of henna and amla in hair care.
3. Brief account on preparation for oily skin.
4. Classification and applications of surfactants.
5. Write a note on sebumeter.
6. Summarize the cosmetic problem associated with Hair & scalp.
7. Discuss briefly about vanishing creams.
8. Explain cosmetics as quasi and OTC drugs.
9. Write analytical methods for tooth paste.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Define mouth wash.
2. Give two applications of sunscreen lotion.
3. Two examples for hair colorant.
4. Antiperspirant.
5. Humectants.
6. Viscosity modifiers.
7. Write the role of turmeric in skincare.
8. Causes of hair loss.
9. Define emollients.
10. Applications of moisturiser.

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[BPHARM 1022]

**OCTOBER 2022
(MARCH 2022 SESSION)**

Sub. Code: 2085

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)

PCI Regulation 2017 - SEMESTER VIII

PAPER IX – COSMETIC SCIENCE

Q.P. Code: 562085

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Give the formulation consideration of skin moisturiser.
2. Explain in detail about cosmetic and the excipients used.
3. Explain in detail ingredients used in conditioning shampoo.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Define preservatives and write the applications of preservative.
2. Explain briefly about the ingredients used in conditioning shampoo.
3. Discuss in detail about cold cream.
4. Evaluation of toothpaste.
5. Neem and Clove are beneficial in oral care. Justify.
6. Give BIS specifications for shampoo.
7. Explain in detail about the various classes of face washes.
8. Define and classify deodorant products.
9. Write in detail about evaluations of principles of cosmetics.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Applications of humectants.
2. What is ceramide?
3. What are the applications of hair oil?
4. Note on Ingredients used in antidandruff shampoo
5. What is SPF?
6. What is comedogenic scale?
7. What are blemishes?
8. Symptoms of oily skin.
9. Give applications of Rheology Modifiers.
10. OTC drugs.

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[B.PHARM 0323]

**MARCH 2023
(SEPTEMBER 2022 EXAM SESSION)**

Sub. Code: 2085

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 - SEMESTER VIII
PAPER XII – COSMETIC SCIENCE**

Q.P. Code: 562085

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Write in detail about surfactants used in cosmetic formulations.
2. Describe the formulation and building blocks of any two hair care products.
3. Explain the active substances used in antiperspirants and its mechanism of action.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Enlist and write the functions of parts of skin.
2. Describe on Para-phenylene diamine based hair dyes.
3. Brief account on TEWAMETER.
4. BIS specification for tooth paste.
5. Classification and applications of sunscreen.
6. Write a note on hair care herbs.
7. Write about the causes and treatment of dandruff.
8. Write a note on prickly heat powder.
9. Write about the problems of gums.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Write the uses of turmeric.
2. Define dentrifice.
3. Application of corneometer.
4. Causes of dermatitis.
5. Enlist the various agents used to treat dandruff.
6. Vanishing cream.
7. Define acne.
8. Mention anti-ageing products.
9. Syndet bars.
10. Name two opacifying agents.

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[B.PHARM 0823]

**AUGUST 2023
(MARCH 2023 EXAM SESSION)**

Sub. Code: 2085

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 - SEMESTER VIII
PAPER XII – COSMETIC SCIENCE**

Q.P. Code: 562085

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Explain Evolution of cosmeceuticals from cosmetics and classification cosmeceutical products.
2. Explain about Basic structure of hair and Hair growth cycle. Write a note on anti-dandruff shampoo.
3. Explain the Common problem associated with teeth and gums and write a note on Toothpaste for bleeding gums and sensitive teeth.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Describe the Basic structure and function of skin.
2. Write a note on Antiperspirants & deodorants - Actives and mechanism of action.
3. Write a note on Henna and amla.
4. Write a note on Sun protection, Classification and applications of Sunscreens.
5. Write a note on analytical methods for shampoo.
6. What is Oily and dry skin, List out the causes leading to dry skin?
7. Discuss briefly Cosmetic problems associated with Hair and scalp.
8. Discuss the OTC drugs of cosmetics.
9. Write a note on Classification and application of Cosmetic excipients.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Define Surfactants.
2. Give two Advantages and Disadvantages of Cold Cream.
3. Uses of Aloe and turmeric.
4. List out the analytical methods for toothpaste.
5. Hair combing properties.
6. What is Ceramide?
7. What is Deodorants and give an example.
8. Write any two causes for dermatitis.
9. What is rheology modifier?
10. Sensitive teeth.

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[B.PHARM 1223]

**DECEMBER 2023
(SEPTEMBER 2023 EXAM SESSION)**

Sub. Code: 2085

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 - SEMESTER VIII
PAPER XII – COSMETIC SCIENCE**

Q.P. Code: 562085

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions.

(2 x 10 = 20)

1. Explain about Classification and application of Cosmetic excipients.
2. Explain about Basic structure and function of skin. Write a note on analytical methods of skin cream.
3. Explain the Principles of formulation and building blocks of oral care products and write a note on Mouthwash.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Describe the Common problem associated with teeth and gums.
2. Write a note on Hair growth cycle.
3. Write a note on Hair conditioner.
4. Write a note on Neem and clove.
5. Write a note on analytical methods for toothpaste.
6. Discuss the principles of sebumeter and corneometer.
7. Discuss briefly skin moisturisation.
8. Discuss about the Deodorants- Actives and mechanism of action.
9. Write a note on Hair oils.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. Define cosmetics.
2. Humectants.
3. Face wash.
4. Advantages of Vanishing cream.
5. Antiperspirants.
6. Examples of Teeth whitening Agents.
7. What is Sunscreen and give an example.
8. Write any two causes for dermatitis.
9. What is syndet bars?
10. Cause of acne and blemishes.

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
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Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions.

(2 x 10 = 20)

1. Explain briefly about the problems associated with hair and scalp and Elements of hair and scalp.
2. a) Enumerate in detail about structure and function of the skin.
b) Discuss the role of herbs in cosmetics.
3. Write the principle of formulation and the building block of oral care products.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Explain the role of aloe and turmeric in skin care products.
2. Write a note on corneometer.
3. Give a brief account of the preparation of dry skin.
4. Write the formula and procedure for the preparation of moisturizing cream.
5. Write the BIS Specification for the skin cream.
6. Elaborate briefly on the chemistry and formulation of paraphenylenediamine-based hair dye.
7. Define anti perspirant, classify it and the mechanism of action.
8. Write the method to measure TEWL.
9. Dandruff.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. Rheology Modifiers.
2. Give two examples of Anti-dandruff shampoo.
3. Define cosmetics as per EU regulation.
4. Mention the common problems associated with teeth and gums.
5. Hair tensile strength.
6. Write the ingredients used in the preparation of Vanishing cream.
7. Define deodorants.
8. Wrinkles.
9. Classification of cosmetics.
10. Sun protection cosmetics.

B. PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
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PAPER XII – COSMETIC SCIENCE

Q.P. Code: 562085

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions.

(2 x 10 = 20)

1. Explain briefly about principles of formulation and building blocks of Hair care products and write a note on conditioning shampoo.
2. Discuss the Role of herbs in cosmetics and describe the Skin Care preparation containing Aloe and turmeric.
3. Explain the Cosmetic problems associated with Skin and Hair.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Define cosmetic as per Indian and EU regulations and classify cosmeceutical products.
2. Write a note on Cosmetic excipients – rheology modifiers, humectants.
3. Cold Cream and Vanishing cream.
4. Write a note on Sun protection, Classification and applications of Sunscreens.
5. Write a note on Chemistry and formulation of Para-phenylene diamine based hair dye.
6. Discuss the BIS specification and analytical methods for shampoo.
7. Write a note on Dentifrices.
8. Explain about Soaps and syndet bars.
9. Write a note on Antiperspirants and Deodorants- mechanism of action.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. Common problem associated with teeth and gums.
2. Give two Advantages and Disadvantages of Moisturizing cream.
3. Two examples for cosmetics OTC drugs.
4. Hair conditioner.
5. Comedogenic.
6. Henna and amla.
7. Emollients.
8. Sebumeter.
9. Define emollients.
10. Dermatitis.

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Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions.

(2 x 10 = 20)

1. Describe the principle building blocks used in the formulation of oral care products.
2. Discuss in detail the formulation of vanishing cream and cold cream.
3. What is SPF? Explain different methods of its measurement.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Describe the structure and functions of the skin with neat labelled diagram.
2. Explain the mechanism of action of antiperspirants.
3. What are hair dyes? Classify and write its ideal properties.
4. Explain the determination of foam height in shampoos as per Bureau of Indian Standard.
5. Write the applications of skin care products in cosmetics and cosmeceuticals.
6. What is meant by Millaria? Explain about the treatment method for Millaria.
7. Write a note on evaluation of soap bars.
8. Explain the pathogenesis and characterization of acne.
9. What is face wash? Write its ideal properties and functions.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. Give four reasons for dandruff.
2. Write different types of wrinkles.
3. List out the different types of Corneometer.
4. What is gingivitis?
5. Write any one formula of transparent soaps.
6. Write four cosmetic applications of Neem.
7. Give four causes for acne.
8. What is Halitosis?
9. Define tensile strength of a hair.
10. What is Xerosis?
