

**B.Pharma VIII-Sem**  
**Subject: COSMETIC SCIENCE**  
**Question Bank**

**LONG ESSAYS**

1. List out various cosmetic excipients. Discuss emollients and preservatives.
2. Write the source, active constituents and cosmetic applications of turmeric and clove.
3. Describe the principle building blocks used in the formulation of oral care products.
4. Describe the structure and functions of the skin with neat labeled diagram.
5. Discuss in detail the formulation of vanishing cream and cold cream.
6. Discuss the role of Neem and Clove in oral care formulations.
7. Discuss the role of humectants and emollients in cosmetics along with their applications.
8. Describe the principle building blocks in the formulation of hair care products.
9. Discuss the role of Henna and Amla in hair care formulations.
10. Define and classify surfactant used in cosmetics and cosmeceuticals. Write its applications?
11. Compare and contrast vanishing cream, cold cream and moisturizing creams.
12. Describe BIS general specifications for shampoos.
13. Describe the structure and functions of the hair with neat labeled diagram.
14. Define herb. Discuss the role of herbs as cosmetic and cosmeceutical excipients.
15. Discuss the raw materials used in the formulation of oral care cosmetic products.
16. List out various cosmetic excipients. Discuss emollients and preservatives.
17. Classify rheology modifiers and humectants used in cosmetics. Write its applications.
18. Discuss the raw materials used in the formulation of hair care cosmetic products.
19. Describe specification for tooth paste as per BIS.
20. Define cosmeceuticals. Discuss origin, categorization and international scenario of cosmeceuticals
21. Discuss the raw materials used in the formulation of Skin care cosmetic products
22. List out different skin care cosmetic products. Describe the moisturizing creams.
23. Discuss the various analytical specifications for shampoos as per BIS.
24. Compare and contrast cold creams and moisturizing creams with examples? Write their advantages and disadvantages.
25. Discuss the role of herbs in oral care cosmetic preparations
26. List out various excipients used in cosmetics and cosmeceuticals. Describe briefly rheology modifiers.
27. Describe the chemistry and formulation of para-phenylene diamine based hair dye.
28. What is SPF? Explain different methods of its measurement?

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**SHORT ESSAYS**

1. Define and classify humectants used in cosmetics.
2. Describe the steps involved in the manufacturing soaps.
3. What are hair dyes? Classify and write its ideal properties.
4. How do you select suitable moisturizer for different types of skin and face? Explain the guidelines for its selection.
5. Write two formulas for cold creams with their method of preparation.
6. Explain the determination of foam height in shampoos as per BIS.
7. Write the formulation and method of preparation of translucent soaps.
8. Explain the cosmetic treatment for dandruff.
9. What are different types of blemishes? Give reasons.
10. Applications of surfactants in cosmetics and cosmeceuticals.
11. What is TEWL? How it is measured.
12. Classify shampoos. Write its applications in hair care.
13. What are different types of wrinkles? Give reasons.
14. Write the applications of skin care products in cosmetics and cosmeceuticals.
15. Write the cosmetic and cosmeceutical applications of sunscreens.
16. Describe the noninvasive techniques for the measurement of skin colour.
17. Discuss the mechanism of action of actives used in antiperspirants.
18. What is meant by Millaria? How it is treated.
19. Differentiate cosmetics and cosmeceuticals.
20. Write the principle and applications of Corneometer.
21. Explain the formulation of oxidative hair dye system.
22. Describe methods to manage dermatitis.
23. Explain formulation of conditioning shampoos.
24. Define SPF. Write any one method to measure SPF.
25. With neat-labeled diagram, explain Sebumeter.
26. What are different types of hair fall? Give reasons.
27. What are skin blemishes? How it is treated.
28. Discuss cosmetics as quasi drugs.
29. Write the principle and applications of Sebumeter.
30. What are vanishing creams? Write its advantages and disadvantages.
31. What is dry skin? What are the causes for dry skin?
- 32.** Write a note on hair oils.
33. Explain cosmetic and cosmeceutical applications of Clove.
34. With neat-labeled diagram, explain Corneometer.
35. Discuss the applications of moisturizers.
36. Write a note on comedogenic.
37. Draw a typical structure of skin.
38. Discuss the important causes for acne.

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39. What are conditioning shampoos? Write its applications.
40. Differentiate sebumeter and corneometer.
41. Write a note on evaluation of soap bars.
42. What are the causes of hair loss?
43. Explain the treatment for wrinkles.
44. Define combability. Write its benefits and procedure.
45. Classify the excipients used in cosmetics with examples.
46. Explain the principle involved in the formulation of face wash.
47. Discuss the formulation of antiperspirant roll-on preparations.
48. Classify organic sunscreens with examples.
49. Describe the BIS Specification and analytical methods for Shampoo.
50. Explain the pathogenesis and characterization of acne.
51. What is TEWL? how it is measured?
52. Discuss the actives used in formulation of deodorants.
53. Explain the role of preservatives in cosmetics.
54. What is TEWL? How it is measured by closed chamber method?
55. Explain the principle involved in the formulation of hair conditioners.
56. What are the causes of dandruff? How it is treated?
57. Describes the formulations aspects of Antiperspirants.
58. Explain the cosmetic and cosmeceutical applications of aloe.
59. Differentiate soaps and syndents.
60. Describe the formulation considerations of antiperspirants.
61. Explain hair growth cycle.
62. Explain the principle involved in the formulation of Moisturizing creams.
63. What is dermatitis. Discuss the causes for dermatitis.
64. What are deodorants? Explain their mechanism.
65. Describe the BIS Specification for skin creams.
66. What is hair tensile strength? How it is measured?
67. Explain cosmetic treatment for hair loss.
68. Classify the actives used in the formulation of Anti-perspirants.
69. Explain cosmetics as OTC drugs.
70. Write a note on sebum Stripmeter.
71. What is face wash? Write its ideal properties and functions.
72. Explain different types of prickly heat. Give reasons.
73. List out herbs used in haircare cosmetic preparations. Explain any one herb.
74. What are the advantages and disadvantages of corneometer.
75. What are the important causes of body odour.
76. Explain the remedies to prevent and relieve dry skin.
77. Describe the formulation of antiperspirants.
78. What is TEWL and how it is measure?
79. Explain the principle involved in the formulation of face wash.
80. Describe the treatment of acne.
81. Explain the mechanism of antiperspirants.

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82. Discuss the general treatment of prickly heat.
83. Explain the mechanism of action of deoderants.

**SHORT ANSWERS**

1. Classify haircare cosmetic preparations.
2. Differentiate cosmetic and cosmeceutical preparations.
3. Write any one formula of moisturizing cream.
4. Write four cosmetic applications of Amla.
5. What are Sunscreens? Give examples.
6. Write applications of Corneometer.
7. Write the principle involved in TEWL measurement.
8. Write the limitations of hair tensile strength measurement.
9. Write any one formula for deodorant powder.
10. Define antidandruff shampoos. Give one example.
11. Define cosmetics.
12. What are humectants? Give examples.
13. Write the advantages and disadvantages of cold creams.
14. Classify sunscreen preparations.
15. What is SPF? Give example.
16. Classify skin types.
17. What are wrinkles.
18. What is millaria.
19. What is TEWL?
20. What are syndent bars?
21. Define cosmetics as per Indian regulations.
22. Enlist the preservatives used in cosmetics preparation.
23. Write the advantages and disadvantages of vanishing creams.
24. What is SPF sunscreen? Explain.
25. Enlist sun protection cosmetics.
26. Enlist various ingredients used in the preparation of Syndent bars.
27. What are Combars?
28. Give four reasons for dandruff.
29. Give four examples of marketed deodorant preparations.
30. Differentiate cosmetics and cosmeceuticals.
31. What are emollients? Give examples.
32. Write the advantages and disadvantages of shampoos.
33. Enlist various types of sun protection products.
34. Expand SPF sunscreen? Give example.
35. Define tensile strength of a hair.
36. Enlist various ingredients used in soap bars.
37. What is combability?
38. Define the term comedogenic.

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39. Write different types of wrinkles?
40. Define cosmetics as per Indian regulations.
41. What are humectants? Give examples.
42. Write the advantages and disadvantages of cold creams.
43. Classify sunscreen preparations.
44. What is SPF? Give example.
45. List out the different types of Corneometer.
46. What are Evaporimeter?
47. Give one formula for deodorant sticks.
48. What are black heads and white heads?
49. Role of skin as a physical barriers.
50. What is gingivitis?
51. What are abbrasives? Give examples.
52. What is SPF? List the methods of measurement.
53. Write are the effects of UV-B rays on skin?
54. Name four preservatives used in soaps.
55. Write any one formula of transparent soaps?
56. What is skin hydration? How it is measured.
57. What is Xerosis?
58. List the types of hair fall.
59. Define Anagen and Catagen.
60. Define dental caries and Toothache phase.
61. What are mouthwashes?
62. Write four cosmetic applications of Neem.
63. What is UV-A and UV-B region in sun electromagnetic spectrum?
64. List out the types of chromophore in skin colour.
65. List out the four distinct stages of pigmentation responses after solar UVR.
66. What is periodontitis?
67. What is acne?
68. Define preservatives. Give two examples used in cosmetics.
69. Define cosmetics as per Indian regulations.
70. What are hair dyes?
71. Give four examples of organic sunscreens.
72. Give one formula for sunscreen lotion.
73. List out the benefits of hair combing.
74. Name four antimicrobials used in soap formulations.
75. Give four causes for acne.
76. What are blackhead and whitehead.
77. Write four important functions of skin.
78. What is Halitosis?
79. Give four examples for actives used in Antiperspirants.
80. Give examples of herbs used as vehicles in cosmetic preparations.

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81. Give examples of herbs used as humectant in cosmetic preparations.
82. What are Sebumeter?
83. What are Corneometer?
84. What is skin pigmentation?
85. Give four examples of emollients used in cosmetics.
86. Write any one formula for deospray.
87. Define cosmetics as per EU regulations.
88. What are cosmeceuticals?
89. List out typical properties of face wash.
90. Write four cosmetic applications of Turmeric.
91. Give four analytical specifications for toothpaste as per BIS.
92. Write four applications of Sebumeter.
93. Write four applications of Corneometer.
94. Define tensile strength of hair.
95. Enumerate the types of wrinkles.
96. Write one formula for deodorant spray.

<b>BLUE PRINT OF MODEL QUESTION PAPER</b>								
<b>BP809ET. COSMETIC SCIENCE (Theory)</b>								
<b>TIME: 3 HOURS</b>				<b>MAX. MARKS: 75</b>				
<b>Unit No</b>	<b>Hours</b>	<b>Must know</b>			<b>Desirable/Nice to know</b>			<b>Weightage of marks</b>
		<b>LE (10X3)</b>	<b>SE (5X8)</b>	<b>SA (2X5)</b>	<b>LE (10X0)</b>	<b>SE (5X1)</b>	<b>SA (2X5)</b>	
<b>Unit-I</b>	10	1	1	1	-	-	1	19
<b>Unit-II</b>	10	1	1	1	-	1	-	22
<b>Unit-III</b>	10	1	1	-	-	-	2	19
<b>Unit-IV</b>	08	-	2	2	--	-	1	16
<b>Unit-V</b>	07	-	3	1		-	1	19
<b>Total</b>	<b>45</b>	<b>30</b>	<b>40</b>	<b>10</b>	<b>-</b>	<b>5</b>	<b>10</b>	<b>95</b>
<b>Marks distribution</b>		<b>80</b>			<b>15</b>			<b>95</b>

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