

NB: (1) All questions are compulsory.

(2) Figures to the right indicate full marks.

- 1 (a) What are the Schedule MII requirements for manufacturing of cosmetics? 2  
(b) Give an account of mechanism of functioning of various skin bleach products. 3  
(c) Enlist all manicure products. 2  
(d) Write a brief note on hair conditioners. 2  
(e) What are the ideal properties of dry shaving products? Give an example of formulation of dry shaving product? 3  
(f) Give a detailed description of denture cleansers. 3
- 2 (a) Describe sensitization reactions due to cosmetics. Discuss tests to predict the same. 4  
(b) Discuss the formulation aspects of moisturizing preparations 3  
**OR** 3  
Elaborate quality control tests for skin creams and lotions. Give BIS standards for the same.  
(c) How are shampoos manufactured on large scale? Describe in detail. 4
- 3 (a) Discuss the ingredients used in formulation of lather shaving creams. Enlist the QC tests performed on lather shaving creams. 4  
(b) Give an account of colours used in eye makeup preparations and write a formula for eye shadow preparation. 3  
(c) Write a detailed description of **any one** 4  
(i) Herbal cosmetics  
(ii) Oils and waxes used in cosmetics
- 4 (a) Describe the large scale manufacturing of foundation lotions. 3  
**OR** 3  
Describe the quality control tests for compact face powders.  
(b) Classify hair colorants and explain any one class. 4  
(c) Discuss abrasives used in dentifrices and state their testing parameters 4
- 5 (a) Classify depilatories. What is their mechanism of action? 3  
(b) With the help of neat and labelled diagram discuss the packaging of lipsticks. 4  
**OR** 4  
Describe colors and waxes used in lipsticks  
(c) Write a note on control of microbiological quality of cosmetics 4
- 6 (a) Enlist various baby cosmetics. Discuss the formulation of baby powders. 3  
**OR** 3  
Mention the ideal properties of deodorants. Give examples.  
(b) Explain the quality control tests for nail laquers. What are BIS standards for the same 4  
(c) Classify sunscreens, give their mechanism of action and enlist the QC tests performed on them. 4

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