

**B.SC. MSC INTEGRATED PROGRAMME
JAMIA HAMDARD**

Semester IV Examination 2022

Paper code : BCH-SEC04

Title : Chemistry of Cosmetics and Perfumes

(Write your Roll No. at the top immediately on receipt of this question paper)

Time: 1.5 Hours

Maximum Marks: 37

Attempt all questions. All parts of a question must be attempted in continuation. Start answer of a fresh question on a new page. Cite examples and draw labelled diagrams wherever necessary.

Q1. Attempt any seven

[7]

- i) The citric acid in shampoo acts as
 - a) Thickening agent
 - b) Foam booster and stabilizer
 - c) Sequestering agent
 - d) All of the above

- ii) The oxidative hair colourants requires
 - a) 2 major components
 - b) 3 major components
 - c) 1 major components
 - d) None of the above

- iii) Which oil is not used for the formulation of lipstick
 - a) Castor oil
 - b) Oleyl alcohol
 - c) Liquid lanolin
 - d) Almond oil

- iv) Zinc oxide and titanium dioxide in face powder acts as
 - a) Adhesives
 - b) Covering power
 - c) Emollients
 - d) Absorbents

- v) Cleansing cream is also called
 - a) Wipe off emulsion
 - b) Rinse off emulsion
 - c) Both a & b
 - d) None of the above

- vi) The major ingredients of chemical depilatories are
 - a) Zinc pyrithione
 - b) Calcium thioglycolate
 - c) Both a & b
 - d) None of the above

- vii) Antidandruff agent used in the formulation of antidandruff shampoo is
- Calcium thioglycolate
 - Zinc pyrithione
 - Aluminium chlorohydrate
 - Aluminium zirconium chlorohydrate
- viii) The active constituent of antiperspirants is
- Aluminium chlorohydrate
 - Aluminium zirconium chlorohydrate
 - Both a & b
 - None of the above
- ix) The erythema of the skin is due to
- Dilated blood vessels
 - Dilated peripheral blood vessels
 - Both a & b
 - None of the above
- x) The esters of p-hydroxy benzoic acid used in the formulation of shampoo and acts as
- Anti-oxidants
 - Emulsifiers
 - Thickening agents
 - Antimicrobial agent

Q 2. Attempt any three of the following;

[3x5=15]

- What are hair colourants? Discuss permanent hair colourants.
- Write the ingredients used in the formulation of face powder.
- Write the preparation and uses of suntan lotion.
- Write the short note on cold cream.
- What are the artificial flavouring agents, discuss with suitable examples.

Q 3. Attempt any three of the following;

[3x5=15]

- Mentions the role of Eugenol in the cosmetic industry.
- What are the uses of Muscone in cosmetic industry?
- Write down the formulation of talcum powder.
- Discuss the preparation of enamels.
- Discuss the different formulations of shampoo.