

Question Paper

Exam Date & Time: 15-May-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Cosmetic Science [PCE-BP809ET -S2]

Marks: 75

Duration: 180 mins.

I Multiple Choice Questions (MCQs)

Answer all the questions.

Section Duration: 30 mins

- 1) Salts of which of the below mentioned naturally occurring fatty acids is called soap (1)
- [Sodium & Calcium](#)
[Calcium and Sodium](#)
[Sodium and Potassium](#)
[All of above](#)
- 2) Which of the below mentioned does not have any preservative activity? (1)
- [Nitrite](#)
[Vitamin E](#)
[Vitamin D](#)
[Vitamin C](#)
- 3) One of the below mechanism cannot be used to measure TEWL (1)
- [Open chamber](#)
[Closed chamber](#)
[Half open chamber](#)
[Ventilated closed chamber](#)
- 4) Sebum measurement by Sebumeter is based on the principle of (1)
- [UV spectrophotometer](#)
[Liquid chromatography](#)
[Microscopy](#)
[Greasespot photometry](#)
- 5) Keratin found in human hair is (1)
- [Carbohydrate](#)
[Lipid](#)
[Protein](#)
[Vitamin](#)
- 6) Wet combability is measured under controlled conditions with an objective method using (1)
- [Hair Combs](#)
[Rings](#)
[Hair Combing Rings](#)
[Hair Combing Rig](#)
- 7) One of the below is not an example of Humectant (1)

[Calcium chloride](#)
[Glycerol](#)
[Sodium Lactate](#)
[Sodium lauryl sulphate](#)

8) Growth stages of hair is in order of (1)

[Anagen-Catagen-Telogen](#)
[Catagen-Telogen-Anagen](#)
[Anagen-Telogen-Catagen](#)
[Telogen-Catagen-Anagen](#)

9) Langerhans cells are present in: (1)

[Stratum basale](#)
[Stratum spinosum](#)
[Stratum granulosum](#)
[Stratum lucidum](#)

10) HASE stands for (1)

[Hydrophobically modified Acidic Swellable Emulsions](#)
[Hydrophobically modified Alkali Swellable Emulsion](#)
[Hydrophilically modified Acidic Swellable Emulsions](#)
[Hydrophilic Aromatic Swellable Emulsions](#)

11) Important component of clove, except one of the following; (1)

[Eugenol](#)
[Humulene](#)
[Limonoids](#)
[Essential oils](#)

12) Which one among the following is used as humectants in dental preparations? (1)

[Sorbitol](#)
[Mannitol](#)
[Pearlitol](#)
[Carbopol](#)

13) Synonym for Neem is (1)

[Nimbi](#)
[Nimbu](#)
[Haridra](#)
[Nimba](#)

14) Titanium dioxide is commonly used in (1)

[Sunscreen cream](#)
[Vanishing cream](#)
[Ophthalmic cream](#)
[Calamine lotion](#)

15) One of the disadvantages of Henna is (1)

- [Systemic toxicity](#)
[Colors the finger](#)
[Sensitisation](#)
[Gets deposited in hair shaft](#)
- 16) The purpose of using conditioning agent in shampoo is; (1)
- [To dry the wet hair](#)
[To moisturize the skin](#)
[To bring moisture to hair](#)
[To impart greasiness to hair](#)
- 17) Dermatitis reaction is rare with (1)
- [Zinc oxide](#)
[Titanium oxide](#)
[Titanium dioxide](#)
[Benzophenones](#)
- 18) Periodontal disease can be avoided by (1)
- [Cleansing type](#)
[Mouth wash type](#)
[Powder type](#)
[Therapeutic type](#)
- 19) Identify the organic chemical that is considered as effective UV filter (1)
- [Oxybenzone](#)
[Tinosorb](#)
[Iron oxide](#)
[Cellulose derivatives](#)
- 20) During QC analysis, Shampoos need not be tested for (1)
- [Viscosity](#)
[pH](#)
[Particle size](#)
[Stability](#)

II Long Answers

Answer all the questions.

- 1) Discuss formulation of liquid cream shampoos with a formula. Discuss any three-evaluation tests for shampoos. (10)
- 2) Explain the principle and mechanism of corneometer. Describe hair tensile strength (10)

III Short Answers

Answer all the questions.

- 1) Write a note on Hair dyes. (5)
- 2) Enlist any five types of skin and standard SPF values. (5)
- 3) Briefly discuss disorders of sebaceous and sweat glands. (5)
- 4) Explain blemishes and wrinkles (5)
- 5) Describe Dandruff and the hair fall causes (5)

- 6) Describe humectants and preservatives with examples (5)
- 7) Explain the common problems associated with teeth (5)

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