



- Notes : 1. All questions are compulsory.  
2. Discuss the reaction, Mechanism wherever necessary.

**1.** Multiple choice questions-

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- 1) Hyaluronic acid treatment in wrinkle work on the principle of.
  - a) Peeling
  - b) Tightening
  - c) Feeling
  - d) All of above
- 2) Anti-perspirant belong to the class of.
  - a) Curative
  - b) Protective
  - c) Corrective
  - d) Decorative
- 3) EGF stimulate----- growth.
  - a) Dermal
  - b) Epidermal
  - c) Skin
  - d) All of them
- 4) -----is a lipid base substance in the skin and ultraviolet rays in sunlight convert it to vitamin D.
  - a) 7-dehydro cholesterol
  - b) Hydroxy cholesterol
  - c) Both
  - d) None of them
- 5) The----- give colour to the hair fibre.
  - a) Lymphocyte
  - b) Leucocyte
  - c) Melanocyte
  - d) None of them
- 6) ----- result in loss of tooth surface.
  - a) Abrasion
  - b) Attrition
  - c) Erosion
  - d) Impaction
- 7) Antidandruff shampoo is classified under----- shampoo.
  - a) Medicated
  - b) Non-medicated
  - c) Both
  - d) None of them
- 8) The product is described as self-preserving if it contains----- ethanol.
  - a) 10% or above
  - b) 20% or above
  - c) 30% or above
  - d) 40% or above
- 9) Moisturizers containing mineral oil show----- action.
  - a) Anti-inflammatory
  - b) Anti-pruritic
  - c) Anti-mitotic
  - d) Anti-aging
- 10) Imbalance of androgen is the cause of blemishes.
  - a) True
  - b) False
- 11) The range of UV B radiation is-
  - a) 200-400nm
  - b) 320-400nm
  - c) 280-320nm
  - d) 200-280nm
- 12) Aloe vera consist main chemical constituent is-
  - a) Aloin
  - b) Nembodine
  - c) Curcuminoid
  - d) All of them.

- 13) Annexure D for toothpaste is given for-
  - a) Determination of residue
  - b) Determination of heavy metal
  - c) Determination of arsenic
  - d) None of above
- 14) BIS standard for shampoo was published in year.
  - a) 1975
  - b) 1978
  - c) 1992
  - d) None of them
- 15) Changes in skin colour are checked by-
  - a) Corneometer
  - b) Mexameter
  - c) Sebumeter
  - d) Both a and b
- 16) Measurement of sebum in sebumeter is express in-
  - a) Gram per square metre
  - b) Milligram per metre
  - c) Gram per centimetre
  - d) Milligram per centimetre square
- 17) Syndet bar are cleansing bar that contain soap.
  - a) Less than 10%
  - b) Less than 20%
  - c) Less than 25%
  - d) Less than 30%
- 18) As per US Oxybenzone concentration in sunscreen is-
  - a) 5%
  - b) 6%
  - c) 10%
  - d) 15%
- 19) Good protection range in sun protection is-
  - a) 15 to 24
  - b) 25 to 39
  - c) 45 to 50
  - d) All of them.
- 20) Following is the benefit of turmeric.
  - a) Protect from sun damage
  - b) Reduces risk of skin cancer
  - c) Help to treat psoriasis
  - d) All of above

2. Solve the following **any two**. **20**

- i) Describe about cosmeceutical product: - Shampoo.
- ii) Explain the cosmetic problem associated with skin.
- iii) Describe the role of herb in cosmetic.

3. Solve the following **any seven**. **35**

- i) Classified different preservative and write their uses.
- ii) Describe the causes prevention and treatment of dandruff.
- iii) Explain in short about toothpaste describe the phases of hair growth.
- iv) Write in short about BIS for shampoo with a note annexure A
- v) Write a note on corneometer.
- vi) Enlist the instrument used for measurement of skin colour explain chromameter.
- vii) Give the BIS requirement for skin cream.
- viii) Write a note on hair care herb.
- ix) Write in brief about comedogenic scale.

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