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BP 809 ET

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2022

B.Pharm. 8th Semester End-Term Examination

COSMETIC SCIENCE - THEORY

(New Regulation - w.e.f. 2017-18)

Full Marks - 75

Time - Three hours

The figures in the margin indicate full marks
for the questions.

1. Answer the following : (MCQ) (20 × 1 = 20)
- (i) An agent used to clean the surface of teeth and there by decrease the tooth decay, mouth odor is
- (a) Abrasive
 - (b) Dentifrice
 - (c) Dental paste
 - (d) Dental cone
- (ii) Surfactants are incorporated in the preparation of Dentifrice as they
- (a) Aid in preparation of surface film
 - (b) Produce foam
 - (c) Removes debris
 - (d) All the above
- (iii) Zinc pyrithine in shampoo is used as
- (a) Conditioner
 - (b) Cleansing
 - (c) Antidandruff agent
 - (d) Detergent

[Turn over

(iv) The Spreadability of cold Cream is increased by adding

- (a) Hard paraffin
- (b) Ozokerite
- (c) Vegetable oil
- (d) Isopropyl myristate.

(v) Titanium dioxide commonly used in

- (a) Vanishing cream
- (b) Sunscreen Cream
- (c) Ophthalmic Cream
- (d) Aqueous calamine cream.

(vi) Vanishing Cream is an ointment that may be classified as

- (a) Water soluble base
- (b) Oleaginous base
- (c) Absorption base
- (d) Emulsion base.

(vii) The most frequently used surfactant in shampoo are

- (a) Anionic
- (b) Cationic
- (c) Non-ionic
- (d) All

(viii) Which of the following is used as humectants III dental preparation?

- (a) Agar
- (b) Sorbitol
- (c) Methyl cellulose
- (d) Carbopo 193

- (ix) Cold cream are
- (a) w/o- type
 - (b) o/w- type
 - (c) SLS
 - (d) Polysorbate 80
- (x) The European Union requires that cosmetic products placed on the EU market be
- (a) Safe
 - (b) Must not cause damage to human health
 - (c) Both (a) and (b)
 - (d) None of the above.
- (xi) Thickeners commonly used in skin moisturizing products
- (a) Xanthum gum
 - (b) Cellulose derivatives
 - (c) Acrylic polymers
 - (d) All of the above.
- (xii) Chemically all humectants have something in common and that is
- (a) Hydroxyl groups
 - (b) Acetone groups
 - (c) Functional groups
 - (d) Ether
- (xiii) The optimal preservative should have this attribute
- (a) Broad spectrum activity
 - (b) Be effective over the anticipated shelf life
 - (c) Be effective over a wide pH range
 - (d) All of the above

- (xiv) Antioxidant BHA stands for
- (a) Butyl Hydroxyl amine
 - (b) Boron hydroxyl aniline
 - (c) Butylated hydroxyl anisole
 - (d) None of the above
- (xv) Abrasive used in the formulation of toothpaste should have following properties
- (a) Particles should be spherical with no sharp edges
 - (b) Should not damage the gums, enamel and dentin
 - (c) Should remove debris and residual surface stains
 - (d) All of the above
- (xvi) Following is the approved UV filter except
- (a) Methyl salicylate
 - (b) Cinoxate
 - (c) Dioxybenzone
 - (d) Homosalate.
- (xvii) Broad spectrum sunscreens with an SPF _____ can have the statement on the labels: "Decreases the risk of skin cancer and early skin aging caused by the sun".
- (a) 15 or higher
 - (b) 25 or higher
 - (c) 50 or lower
 - (d) None of the above.
- (xviii) Following is the preservative in shampoo
- (a) Lanoline
 - (b) Methyl cellulose
 - (c) Imidazolidinyl urea
 - (d) None of the above.

(xix) The spreadability of cold Cream is increased by adding

- (a) Hard paraffin
- (b) Ozokerite
- (c) Vegetable oil
- (d) Isopropyl myristate

(xx) The plasticizer used in lipsticks is

- (a) Lanolin
- (b) Castor oil
- (c) Hard paraffin
- (d) Cocoa butter

2. Answer *any seven* questions :

(7 × 5 = 35)

- (a) What are the causes of dental problems? Discuss the common problem associated with teeth and gums.
- (b) Write a note on cold cream and vanishing cream.
- (c) Discuss the formulation method of hair conditioner and antidandruff shampoo.
- (d) Classify sunscreens. Write the mechanism of sunscreen preparations. Give one method of preparation of sunscreen products.
- (e) Explain the principle and application of Sebumeter.
- (f) Discuss the role of Aloe and turmeric as herbal skin cream.
- (g) Write a note on Antiperspirants and deodorants.
- (h) Explain the characteristics of toothpastes used for treatment of bleeding gums.
- (i) Discuss the formulation ingredients of prickly heat powder.

3. Answer *any two* questions : (2 × 10 = 20)
- (a) Classify cosmetic and cosmeceutical products and discuss its various properties for usefulness.
 - (b) Explain the principles of formulation of skin care products and its applications as cosmeceuticals.
 - (c) Write notes on: (i) Hair tonics (ii) rheology modifiers (iii) Humectants.

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