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BP 809ET

Roll No. of candidate

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Girijananda Chowdhury University
Hatkhowapara, Azara, Ghy-17

2024

B.Pharm. 8th Semester End-Term (Regular) 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. Multiple choice questions (MCQ/ Answer All questions) : (20 × 1 = 20)
- (i) Classification of cosmetic are based on widely used body parts
- (a) Hair cosmetic (b) Face cosmetic
- (c) Eye make up (d) All of the above
- (ii) The optimal preservative should possess the following
- (a) Broad spectrum activity
- (b) Effective over the anticipated shelf life
- (c) Effective over a wide pH range
- (d) All of the above
- (iii) The bureau of Indian Standard acts was passed by parliament in the year
- (a) 1992 (b) 1986
- (c) 1948 (d) 1960
- (iv) Sebumeter is used for
- (a) To classify skin types as dry, normal and oily in an objective manner
- (b) To make early diagnosis of senile asteotosis
- (c) To measure skin clearing effects of soaps
- (d) All of the above

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- (v) Following country has a specific category of products that are in between cosmetics and drugs called quasi thugs
- (a) India (b) Japan
(c) Russia (d) Korea
- (vi) _____ is a commonly used humectant in cosmetic products
- (a) Glycerine
(b) Ascorbic acid
(c) Biotin
(d) Benzalkonium chloride
- (vii) The most frequently used surfactants in shampoo are
- (a) Cationic (b) Anionic
(c) Non-ionic (d) All of the above
- (viii) Thickeners commonly used in skin moisturizing products are
- (a) Xanthan gum
(b) Cellulose derivatives
(c) Acrylic polymers
(d) None of the above
- (ix) A hydro-alcoholic solution in which flavours, essential oils and other agents are combined to provide long term breath deodorization is
- (a) Deodorant (b) Toothpaste
(c) Mouthwash (d) None of the above
- (x) Vanishing cream is a _____ type emulsion
- (a) o/w (b) w/o
(c) o/w/o (d) None of the above
- (xi) An agent used to clean the surface of teeth and thereby decrease tooth decay, mouth odour is
- (a) Abrasive (b) Dentifrice
(c) Dental paste (d) None of the above
- (xii) Emollients _____ water content of stratum comeum
- (a) Increases (b) Decreases
(c) Stop (d) None of the above
- (xiii) Which of the following is needed for the cosmetic manufacturing?
- (a) Form 32 (b) Form 12
(c) Form 30 (d) Form 10

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- (xiv) A common causes of Pityriasis steatoides is
- Over active sebaceous gland
 - Preventing essential oils from travelling the length of hair strand
 - Glut of sebum that absorbed back into the scalp
 - All of the above
- (xv) Measurement of the transepidermal water loss expressed
- Gram per sq. meter
 - Milligram
 - Milligram per meter
 - Gram per centimeter
- (xvi) Titanium dioxide commonly used in
- Vanishing cream
 - Ophthalmic Cream
 - Sunscreen Cream
 - Aqueous calamine cream
- (xvii) The cross section of a hair shaft is not having component from the outside to the inside
- Cuticle
 - Cortex
 - Dermis
 - Medulla
- (xviii) Meaning of hyperhidrosis is
- Excessive temperature
 - Excessive body pressure
 - Excessive stress
 - Excessive sweating
- (xix) Which of the following is not considered as cosmetic under FD and C Act, sec. 201(i)
- Skin moisturizer
 - Soap
 - Lipsticks
 - Perfumes
- (xx) Syndet bars are cleansing bars that contain soap
- Less than 25%
 - Less than 10%
 - Less than 30%
 - None of the above

2. Short Answers (Answer any Seven) :

(7 × 5 = 35)

- Define cosmetics as per Indian regulations. Enlist the various preservatives used in cosmetics preparation.
- Discuss the role of Neem and Clove in oral care formulations.
- Describe the formulation considerations and mechanism of action of antiperspirants.

- (d) Write the principle involved in TEWL measurement. Write applications of Corneometer.
- (e) What is SPF sunscreen? Write the advantages and disadvantages of moisturizing creams.
- (f) Explain the remedies to prevent and relieve dry skin conditions.
- (g) Describe the BIS Specification and analytical methods for Shampoo.
- (h) List out various excipients used in cosmetics and cosmeceuticals. Describe briefly about rheology modifiers.
- (i) Explain the hair growth cycle.

3. Long Answers (Answer any *Two*):

(2 × 10 = 20)

- (a) Explain the principle building blocks in the formulation of skin care products. Discuss the treatment for wrinkles and acne. (6+4 = 10)
- (b) Describe the principle and formulation of Para – phylene diamine based hair dyes. Enlist the causes of hair fall and dandruff. (6+4 = 10)
- (c) Write short note on (Any *two*): (5+5 = 10)
 - (i) Comedogenic.
 - (ii) Conditioning shampoo.
 - (iii) Sebumeter.