

Exam Date & Time: 23-May-2022 (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) HASE stands for
 a) Hydrophobically modified Acidic Swellable Emulsions
 b) Hydrophobically modified Alkali Swellable Emulsion
 c) Hydrophilically modified Acidic Swellable Emulsions
 d) Hydrophilically modified Alkali Swellable Emulsions (1)
- | | | | |
|------|------|------|------|
| 1) a | 2) b | 3) c | 4) d |
|------|------|------|------|
- 2) One of the below is not a type of sebumeter
 a) Sebumalyze
 b) Sebutape
 c) Sebufix
 d) Skin Diagnostic (1)
- | | | | |
|------|------|------|------|
| 1) a | 2) b | 3) c | 4) d |
|------|------|------|------|
- 3) Growth stages of hair is in order of
 a) Anagen-Catagen-Telogen
 b) Catagen-Telogen- Anagen
 c) Anagen-Telogen-Catagen
 d) Telogen-Catagen-Anagen (1)
- | | | | |
|------|------|------|------|
| 1) a | 2) b | 3) c | 4) d |
|------|------|------|------|
- 4) Langerhans cells are present in:
 a) Stratum basale
 b) Stratum spinosum
 c) Stratum granulosum
 d) Stratum lucidum (1)
- | | | | |
|------|------|------|------|
| 1) a | 2) b | 3) c | 4) d |
|------|------|------|------|
- 5) Tewameter is used in cosmetology for the measurement of
 a) Sebum
 b) Melanin
 c) Sebum & Melanin
 d) Transdermal water loss (1)
- | | | | |
|------|------|------|------|
| 1) a | 2) b | 3) c | 4) d |
|------|------|------|------|

- 6) Keratin found in human hair is
 a) Carbohydrate
 b) Lipid
 c) Protein
 d) Vitamin (1)

1) a	2) b	3) c	4) d
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- 7) One of the below is not an example of Humectant
 a) Calcium chloride
 b) Glycerol
 c) Sodium Lactate
 d) Sodium lauryl sulphate (1)

1) a	2) b	3) c	4) d
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- 8) Sebum levels in skin evaluation are checked by
 a) Corneometer
 b) Tewameter
 c) Sebumeter
 d) All of above (1)

1) a	2) b	3) c	4) d
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- 9) _____ salts of various naturally occurring fatty acids is called soap
 a) Sodium & Calcium
 b) Calcium and Sodium
 c) Sodium and Potassium
 d) All of above (1)

1) a	2) b	3) c	4) d
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- 10) _____ does not have any preservative activity
 a) Nitrite
 b) Vitamin E
 c) Vitamin D
 d) Vitamin C (1)

1) a	2) b	3) c	4) d
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- 11) Toxicity of oxidation dye is due to _____
 a) p-phenylenediamine
 b) phenylenediamine
 c) o-phenylenediamine
 d) Phenylldiamine (1)

1) a	2) b	3) c	4) d
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- 12) _____ is used as excellent humectant in tooth paste.
 a) Magnesium trisilicate
 b) Talc
 c) Glycerine
 d) Liquid glucose (1)

1) a	2) b	3) c	4) d
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- 13) _____ is one of the main ingredient in mouth washes. (1)

- a) Sodium phosphate
- b) Starch
- c) Sodium bicarbonate
- d) Calcium phosphate

1)	a	2)	b	3)	c	4)	d
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- 14) One of the major disadvantages of vegetable dyes is;
- a) Bad odor
 - b) Dyes the finger
 - c) Stains permanently
 - d) All of the above
- (1)

1)	a	2)	b	3)	c	4)	d
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- 15) Turmeric, a naturally available herbal drug is specifically considered for various _____ ailments.
- a) Eye care
 - b) Oral care
 - c) Hair tonic
 - d) Skin care
- (1)

1)	a	2)	b	3)	c	4)	d
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- 16) _____ is present in aloe vera.
- a) Eugenol
 - b) Anthraquinones
 - c) Alkaloids
 - d) Glucosides
- (1)

1)	a	2)	b	3)	c	4)	d
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- 17) Long term stability study conditions for cosmeceuticals are performed at _____ conditions as per ICH guidelines
- a) 25°C/60% RH
 - b) 30°C/75% RH
 - c) 45°C/65% RH
 - d) 25°C/65% RH
- (1)

1)	a	2)	b	3)	c	4)	d
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- 18) In sunscreen preparations, _____ is required if natural oils are used.
- a) Parabens
 - b) Liquid phenol
 - c) Antioxidants
 - d) Buffers
- (1)

1)	a	2)	b	3)	c	4)	d
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- 19) _____ agents are used to improve feel and lustre of hair.
- a) Sequestering agents
 - b) Clarifying agents
 - c) Surface active agents
 - d) Conditioning agents
- (1)

1)	a	2)	b	3)	c	4)	d
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- 20) Liquid dentifrices are also referred to;
- Gargles
 - Throat paints
 - Buccal patches (1)
 - Mouth washes

1)	a	2)	b	3)	c	4)	d
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II Long Answers

Answer all the questions.

- Discuss evaluation of shampoos. Give the formula for an anti-dandruff shampoos. (10)
- Explain the principle and mechanism of sebumeter. Describe the method of measurement of TEWL. (10)

III Short Answers

Answer all the questions.

- Write a note on Hair oils and its evaluation. (5)
- Enlist any five ideal sun screen properties. (5)
- Briefly discuss disorders of sebaceous and sweat glands. (5)
- How hair tensile strength is measured. Explain briefly. (5)
- Briefly describe quasi and OTC drugs (5)
- Differentiate between cosmetics and cosmeceuticals. Classify surfactants with examples. (5)
- Briefly explain dermatitis and comedogenic. (5)

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