Duration: 3 Hours

Total marks: 75

N.B.: 1. All questions are compulsory 2. Figures to the right indicate full marks. Q I Multiple Choice Questions (Answer all):			
QΙ			
1	Which of the following best describes cosmeceuticals?		
a)	Purely cosmetic products Pharmacourticals for treating akin and ditions		
b)	Pharmaceuticals for treating skin conditions Products combining cosmetic and pharmaceutical properties		
c) d)	Herbal supplements for skin health		
<i>u)</i>	Thereal supprements for skill incurate		
2	What characterizes quasi drugs?		
a)	They are strictly regulated by health authorities		
b)	They are not considered medications but have therapeutic effects		
c)	They have no therapeutic benefits		
d)	They are primarily used for recreational purposes		
3	Which of the following is an example of a rheology modifier?		
a)	Vitamin C5		
b) 🗼	Xanthan gum		
c)	Titanium dioxide		
d)	Parabens 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
4 😞	Which of the following is a commonly used preservative in cosmetic products?		
a) 🔊	Sodium bicarbonate		
b)	Sodium benzoate Sodium benzoat		
c)	Coconut oil		
d)	Vitamin A		
8	A Sy, Sg, Th, Th, Th, Th, Th, Th, Th, Th, Th, Th		
5 OF	Which of the following is a property of non-ionic surfactants?		
a)	High foaming capacity		
b)	Strong acidity Strong acidity		
c)	Stability in a wide range of pH levels		
d) 💍	Excellent disinfectant properties		
2			
6	Which of the following properties is typically associated with cold creams?		
a)	Heat-generating effects on the skin		
b)	Lightweight and quickly absorbed texture		
c) ?	Emollient and moisturizing properties		
d)	High alcohol content for a refreshing sensation		
*	$A^{\prime\prime}$		

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7	Which of the following surfactants is commonly used in the formulation of high- performance face washes for oily skin? Sodium lauryl sulfate Cocamidopropyl betaine Sodium cocoyl isethionate Polysorbate 80 Ammonia is added to hair dyes
a)	Sodium lauryl sulfate
b)	performance face washes for oily skin? Sodium lauryl sulfate Cocamidopropyl betaine Sodium cocoyl isethionate Polysorbate 80
c)	Sodium cocoyl isethionate
d)	Polysorbate 80
	Cocamidopropyl betaine Sodium cocoyl isethionate Polysorbate 80
8	Polysorbate 80 Ammonia is added to hair dyes as substrate for attachment of intermediates as primary intermediate as coupler for diffusion of colour into the fibre Tooth sensitivity is due to 1
a)	as substrate for attachment of intermediates
b)	as primary intermediate
c)	as coupler as a co
d)	for diffusion of colour into the fibre
9	as coupler for diffusion of colour into the fibre Tooth sensitivity is due to Exposure of dentin
a)	Exposure of dentin
b)	Tartar formation
c)	Plaque Halitaria
d)	Halitosis T
10	Which of the following is an example of a physical sunscreen ingredient?
(a)	Titanium dioxide
b)	Avobenzone
(c) 4	Cinnamate
d) 5	Octinoxate
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11	Nimbidin is the major chemical constituent of
a)	Neem S S S S S S S S S S S S S S S S S S
b) of	Henna
	Nimbidin is the major chemical constituent of Neem Henna Aloe vera Turmeric
(d)	Turmeric Control Contr
12	Nimbidin is the major chemical constituent of Neem Henna Aloe vera Turmeric
b) b) d) d) 12 a)	Total Viable count limit in cfu/g in skin creams is
a) -	Not more than 1000
(b)	Not more than 1500
(c)	Not more than 2500
a) b) c) d)	Not more than 3000
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3	X1132YDB944BX1132YDB944BX1132YDB944B

13	Mexameter measures two major components of skin pigmentation:	1
a)	keratin and hemoglobin	,
b)	melanin and globulin	0
c)	eumelanin and globulin	89
d)	melanin and hemoglobin	77
ĺ		<i>></i>
14	Corneometer is used as an analytical tool forcosmeceutical product.	1
a)	Sun protection product	
b)	Moisturizing product	1
c)	Anti-acne product	SOV
d)	Tooth product	Dix
/		, ,
15	Following is the benefit of turmeric, except	1
a)	Protects from sun damage	Ó
b)	Reduces risk of skin cancer	47
c)	Helps treat psoriasis	30V
d)	Reduces hair fall	>,
•		
16	BIS of skin cream is:	1
a)	6608:2004 6608:2010	8
b)	6608:2010	Opri
c)	6356:2004	89'
d) 22	6356:2010	Y
V		
17	Ethylene glycol distearate is added to shampoos as	1
a)	Primary surfactant	
b)	Opacifier	
c) (2)	Preservative	
d)	Solubilizer	
18	For the treatment of seborrheic dermatitisis used as a rinse-off product.	1
(a)	Salicylic acid 1.8-3%	
b)	Aluminium chlorohydroxide 5-6%	
c) (Zinc chloride 1.2-2%	
d)	Cyclomethicone 10%	
Q'	Ar A	
19	is used to treat hyperhidrosis.	1
a) <u>\(\lambda \)</u>	Selenium sulphide	
b)	Almondoil	
c)	Aluminium chlorhydrate	
d) V	Salicylic acid 1.8-3% Aluminium chlorohydroxide 5-6% Zinc chloride 1.2-2% Cyclomethicone 10% is used to treat hyperhidrosis. Selenium sulphide Almond oil Aluminium chlorhydrate Salicylic acid Wrinkle formation is due to Loss of melanin Malassezia infection Overactive Sebaceous glands	
X		
20	Wrinkle formation is due to	1
a)	Loss of melanin	
b) 🔊	Malassezia infection	
c) (Overactive Bedaceous glands	
d)	Fibrosis	

	Paper / Subject Code: 14229 / Cosmetic Science
QII	Answer any Two questions: 20
1 a)	Explain the concept of cosmeceuticals and how they differ from traditional cosmetics.
1 4)	Provide examples to illustrate their unique characteristics.
b)	Write in short about preservatives used in cosmetics products.
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2	Discuss the chemistry and formulation of Paraphenylene diamine based hair dyes.
3 a)	Write a note on Clove in oral care cosmetic products.
b)	Write the BIS specifications for non-fluoridated toothpaste. Discuss determination of 5
	foaming power test for toothpaste.
QIII	Answer any Seven questions: 35
1.	Explain the role of rheology modifiers in cosmetic formulations along with examples.
2.	Write the importance of occlusives in skincare formulations and their impact on skin 5 barrier function.
3.	Differentiate between cold creams and vanishing creams.
4.	Discuss the formulation of a conditioning shampoo.
5.	How do you determine sun protection factor?
6.	Write a note on Henna in hair care cosmetic products.
7.	Differentiate between Sebumeter and Tewameter. 5
8, 125	Explain the causes and treatment of prickly heat. 5
9.	Write a note on the cosmetic problem of 'Blemishes'.
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