

Mid-Sem Exam

CH-419: Consumer Chemistry

Part -1

Name DEZYL SOLANUZ

Roll no 200102028

Q1. Fill-up the appropriate contents in column-II for the given contents (in page no.3) for the appropriate content of column-I.

Column-I	Column -II
Androgenetic alopecia	hauloss
Dihydrotestosterone	cause of male boldness
Hair conditioners	Sali alle acid
Keratolytic agent	Cetyl methyl ammonyum olosvide
Tensile strength of tyres	Super absorbent Cords C
Sodium polyacrylate	Super absorbent
Wet indicator/pH indicator	Bromophenel blue
Spray mint	Cinnamond ~ 0
Cannabinol	Masuyuana U
Glycolic acid	sugar cane jure
Apocrine glands	Cause of body odow
Crystalline silica	Ruby
Blue diamond	Boron
Moth ball	1 4 dichlorolelazeno L D
Potassium ion exchange	Groulla glass
Aluminium	Rocket fael (D)
Tooth whitening	hydrogen peroride
Tyres	, styrene buladiene
3M	Post it note
Purple K	podassium bicarbonate

Q2. What are the main uses of the following? (Borrow the content given in page 3)

Substances	Use	
Zinc pyrithione	perevent hairloss	
Monoxidil	have core prodoct x	
Xylitol	have care product. X	
Triclosan	deoderant (1)	
Al ₂ (OH) ₅ Cl	Antipersperant ingredent of antiperspers	
Picaridin	Mosquisrepellent 0	
1,4-Dichlorobenzene	moth balls component , O	
Montmorillonite	Suggestess sweether X	
Carboxamide peroxide	Touthwhilening,	
Ammonium perchlorate	Desirrant	

nmer npute

Q3. What did they discover/contribute?

Name	Discovery
John Dunlop	Rubbec +yells
Dr. Spencer Silver	1 Passaulo sunstive adhes it for post it mates
Art Fry	in 1974 gave to idea to use all PSA in post it notes
Bette Nesmith Graham	
G. N. Ramachandran	

Q4. For the given Neuro-transmitters suggest their mode of action and how their deficiency affects us. (Borrow the content from page 3)

Neuro-transmitters	Mode of action	Deficiency Affect
Dopamine	motivation	lack of motivation
Oxytocin	love hormone	feeling lovely
Serotonin	feeling important	low self estern
Endorphins	Brief euphosia	an mety

Q 5. Suggest the corresponding chemicals test for the following drugs (test

Drugs	Chemical test
Cocaine	Scott dest
Barbiturates	Wagenaan's test
Lysergic acid	p-Aminobonzoic acid
Forensic blood test	Phenolph talene

Chemical test: p-Aminobenzoic acid, Phenolphthalene, Wagenaar's test, Scott test



Contents that need to be selected and filled in column II for Q1

Column -II	
Potassium bicarbonate	
Post it note	1 2 10
Cetylmethylammonium chloride	
Salicylic acid	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Hair loss	
Cords	
Super absorbent	11/604
Bromophenol bue	
Cause of male boldness	
Cinnamond 7	and the second
Marijuana	
Rocket fuel	
Sugar cane juice	a la transf
Gorilla glass	
Cause of body odour	
Ruby	
Boron	
Hydrogen peroxide	of the sounds of
1,4-Dichlorobenzene	
Styrebe-butadiene	

Content for Q2 to be filled in the Use column

Jse
Antimicrobial agent / hair care produc
Rocket fuel
Prevent hair loss
Desiccant
Sugarless sweetener
Mosquito repellant
Deodrant
Ingredients of antiperspirant
Tooth whitening
Component of moth ball

Content for Q4 to be selected and filled in Mode of action and deficient affect

Brief euphoria, Lack of motivation, Love hormone, Motivation, Low self-esteem, Feeling lonely Anxiety, Feeling importance

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Part -1I

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Answer the following questions to the point (not more than 4-5 sentences)

- Q1. Define desiccant. Why are they used in packaged products?
- Oz. What is Locard's exchange principle in forensic science? How it is helpful in tracing/identifying criminal
- Q3. What are the green and blue coating found in an old copper utensil? How they can be cleansed?
- Q4. How do slats remain free-flowing even during humid weather?
- Q5. What is the antidote for MeOH poisoning (in the context of the Hooch tragedy)
- Q6. What are the various causes of acidity? Name the major component of anta acid?
- Q7. What is/are the essential difference between deodorants and antiperspirants?
- Q8. How do salts of aluminium help control perspiration and bacterial growth?
- Q9. What is a pheromone? How it is useful in paste (insect) control?
- Q10. Even though sebum is essential for maintaining healthy hair, too much of it can cause problems explain
- Q11 Why do mostly male get bold? What is the role of dihydrotestosterone (DHT)?
- Q12. Why alpha-hydroxy acids are so popular in skin care products?
- Q13. How mosquito repellent (N,N-diethyl-3-methylbenzamide) DEET works?
- Q14. What is the purpose of a wet indicator in the disposable nappy? How it works?
- Q15. What is the chemical basis of depression?
- Q16. How do antidepressants work by blocking reabsorption?
- Q/7. How does pain-reliving balm work? What are the ingredients of balm?
- Q18 What is contrast agent? What should be the properties of an ideal contrast agents
- Q19. What are the advantages and disadvantages of Liquid mosquito repellent?
- Q20. What are the major benefits of β -hydroxyacids over α -hydroxyacids?