PP SAVANI UNIVERSITY
Fifth Semester of B.Sc. Examination
Dec-Jan-2020-21
SSCH3090- Organic Chemistry VII
Time: 10:00 AM -12:30PM

1.01.2021, Friday

Maximum Marks: 60

	Section-A (Total Marks - 20)	The first services
Q.1	Objectives (20 MCQ Compulsory-20 mark each)	(20)
1	In photochemical reactions, absorption of radiations takes place?	
	A visible and x-rays	
	B radio	A STATE OF THE STA
		- Commence
	C only visible	
	D ultraviolet and visible	
2	Static Quenching is due to	
	A Hydrogenated	
	B Complex formation	
	C Neutral reaction	
	D All of the above	
3	Which compound shows fluorescence?	- 146 FE
	A Saturated compound	
	B Unsaturated molecules	
	C A and B	
	D None of this	
	D Holle of this	
4	Visible light's wavelength range between?	
•	A 0.39 - 0.77 nm	
	B 0.39 - 0.77 cm	
	C 0.39 – 0.77 mm	
	D 0.39 – 0.77 μm	
5	Which is not the form of light that can initiate a photochemical?	
3		
	A UV light	
	B visible light	
	C IR light	
	D X-ray light	
6	Which quenching can be used for molecular motors?	
	A Exciplex	The second secon
	B Dynamic Quenching	1400
	C Static Quenching	**
	D Fluorescence Quenching	
	2 Thorsesone Quentum	
7	Number of carbon atom in Sesquiterpenes?	
	A 10	
	B 15	
	C 20	
	D 30	
8	Which structure is that of isoprene?	
8		
	A $H_2C=C(CH_3)-CH=CH_2$	
	B CH ₃ -CH(CH ₃)-CH=CH ₂	
	$C H_2C=CH-CH_2-CH=CH_2$	
	D CH ₃ -CH=CH-CH ₂	
9	Number of isoprene units in Carotenoids?	
	A 60	
	B 8	
	C 9	
	D 100	

- 10 Which of the following are the principle laws of photochemistry? $A \qquad \text{Raoult's and Dalton's law}$ Raoult's and Henry's law Lambert's and Beer's law
 - Grothus-Draper and Stark-Einstein law
- 11 Which is sometimes used as an antidote for cyanide poisoning?
 - Phenyl Nitrite
 - Aryl Nitrite

 - Amyl Nitrite Methyl Nitrite
- Give the similar name of Nalidixic Acid. 12
 - Nicotinic Acid
 - CegGram
 - C Carboxylic Acid
 - NegGram
- Which is the structure of Pyrimethamine? 13

В

C

D

- 14 Which is the sulfa drug example?

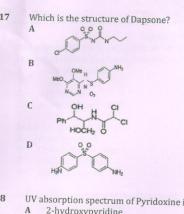
 - Sulfadoxine Chloromphenicol В

 - Diazepam Lidocane
- 15 Dermatitis herpetiformis" is the disease regarding___
 - Headache
 - Tissues
 - C Skin
 - D Stomach
- 16 Which is the molecular formula of Vitamin B2? A $C_{17}H_{20}N_4O_4$:

 - B C₁₇H₂₀N₄O₅

 - C₁₇H₂₀N₄O₆ C₁₇H₂₀N₄O₇ C

AL.



- UV absorption spectrum of Pyridoxine is similar to _ 18 2-hydroxypyridine 3-hydroxypyridine C 4-hydroxypyridine 5-hydroxypyridine 19 Hormones secreted by the thyroid gland? Insulin В Thyroxine
- C Pyridoxine Riboflavin

Q.1

Which drug used for the treatment of non-insulin-dependent diabetes mellitus (NIDDM) 20 Chloropropamide Dapsone C Lidocane D Pyrimethamine

Section-B (Total Marks - 40)

Short Notes (attempt all four compulsory- 3 marks each) (12)A Laws of photochemistry В Phosphorescence with Jablonski diagram Drug: Pyrimethamine C D Vitamin B Complex Explain in detail (attempt any four -7 marks each)
Explain briefly Fluorescence Quenching. Q.2 (28)A Describe Terpenoid, Classification of Terpenoids and Give the full explanation of analytical and В Synthetic evidence of Camphor. Give the Synthesis route and uses of **a**) Ibuprofen **b**) Chloromphenicol Give the Structural determination and Synthesis of Riboflavin.

Describe Terpenoid, Classification of Terpenoids and Give the full explanation of analytical and C D E Synthetic evidence of Camphor.