15

NOTE:

1. Attempt a	Il questions.
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- 2. All questions carry equal marks.
- 3. Draw neat labeled diagrams wherever necessary.
- 4. For Q 2, Q 3 and Q 4 attempt A and B OR C and D.

Q 1	Do as directed (Any fifteen		
1.	Hemoglobins are	forms.	
	a. Tetramer	b. Monomer	
	c. Dimer	d. Trimer	
2.	Define Enzymes.	d. Tilliel	
3.	Which element is used in wo	ound healing?	
4.	Dietamy allowance of Carrier		
	a. 2-3 mg/d.	b. 200-300 mg/d	
	c. 100-200 mg/d.	d. 125-200 mg/d	
5.	Define Addition reaction.	d. 123-200 mg/d	
6 catalyzes the decomposition of hydrogen peroxid			
	water and oxygen.	e decomposition of hydrogen peroxide to	
	a. Catalase	b. Carboxy Peptidase	
	c. peroxidase	d ligase	
7.	What is the first principle of	green chamistry?	
8.	What is the first principle of green chemistry? What is the full form of VOC?		
9.	Which of the following is gre	een colvent 2	
	a. Formaldehyde	b. Benzene	
	c. Water	d. Ethanol	
10.	Write the term missing in the	following equation	
	Risk = Hazard x	totowing equation.	
11.	Give one Relevance Green C	hemistry	
12.	True or False. Avoiding the	se of catalysts is one of the twelve	
	principles of Green chemistry	ise of eathysis is one of the twelve	
3.	Find out% atom economy. No		
4.	Microwaves have wavelength	hetween	
	a. 1 cm to 1 m	b. 20-100 KHz	
	c. 200- 400 nm	d. None of these	
		d. None of these	
5.	Theoretical yield =	Y Molagular weight 6	
		X Molecular weight of product	
	a. Weight of reactant used	Molecular weight of reactant	
	c. 100	b. Weight of product usedd. None of the above	
		d. None of the above	
6.	The condensation of a	compound containing dimethyl amine,	
	acetophenone and formaldehy reaction.	de to form beta amino compound is called	
-	a. Mannich	b. Hantzsch	
	c. Cannizaro	d. Reformatsky	
		d. Reformatsky	
7.	Reduction of 2-butyne to cis	6-2- butene as major product and trans-2-	

18. 19.	butene (minor product) is an example of reaction. a. Regioselectivity		
20.	Give one example for synthetic equivalent (SE)		
Q. 2 A	, and a state of the state of t		
	allowance of Sodium.		
Q. 2 B	Write a note on Metal Complexes in Medicines.		
	OR		
Q. 2 C	Write briefly on the Macronutrients.	08	
Q. 2 D	Explain in detail about peroxidase enzymes.	07	
	bygg unt out d		
Q. 3 A	Explain benefits of 'Green chemistry' to human health and environment.		
Q. 3 B	Explain Atom economy with two suitable examples.	07	
	OR		
Q. 3 C	Explain twelve principles of Green chemistry with suitable examples.		
Q. 3 D Explain green solvent as Supercritical CO ₂		07	
	there at the following a page of		
Q. 4 A	Describe criteria for ideal organic synthesis.		
Q. 4 B	Elaborate multicomponent reaction with one example.	07	
	OR		
Q. 4 C	Write reactions of polymer supported polypeptide synthesis		
Q. 4 D	Explain concept of chemoselectivity and enantioselectivity in organic	08 07	
	synthesis reaction		
	and other land of the state of		
Q. 5	Write Short notes on any three of the following	15	
a.	Types of Elimination reaction		
b.	Structure of heme group		
c.	Homogeneous and Heterogeneous Catalyst		
d.	Green reagent		
e.	Retrosynthesis		