

**DEPARTMENT OF GENERAL EDUCATION**  
**DIET ERNAKULAM**  
**VAIBHAVAM 2021**  
**SSLC- ACADEMIC SUPPORT - Answer key**

**T 30**

**CHEMISTRY TEST 3**  
**(UNIT-5, 6, 7)**

Question No	Scoring Indicators	Split Score	Total Score
1.	Quick lime/Ca O/Calcium Oxide	1	1
2.	C <sub>2</sub> H <sub>4</sub>	1	1
3.	Vanadium pentoxide/V <sub>2</sub> O <sub>5</sub>	1	1
4.	a) 5	1	2
	b) 5	1	
5.	a) drying agent	1	2
	b) dehydrating agent	1	
6.	C <sub>3</sub> H <sub>8</sub> , C <sub>4</sub> H <sub>10</sub> , C <sub>5</sub> H <sub>12</sub>	1	2
	C <sub>n</sub> H <sub>2n+2</sub>	1	
7.	a) 2 - Chlorobutane	1	3
	b) Butan – 2 - ol	1	
	c) 2 – methyl butane	1	
8.	a) Glacial acetic acid	1	3
	b) 6 – 8 % acetic acid	1	
	c) preservative agent/preserving food	1	
9.	a) increases	1	3
	b) increases	1	
	c) no change	1	
10.	a) CH <sub>2</sub> = CH <sub>2</sub>	1	4
	b) Addition reaction	1	
	c) CH <sub>4</sub>	1	
	d) polymerisation	1	
11.	a) B – forward reaction/N <sub>2</sub> + 3H <sub>2</sub> → 2NH <sub>3</sub> + heat) C - backward reaction/2NH <sub>3</sub> + heat → N <sub>2</sub> + 3H <sub>2</sub>	1 1	4
	b) chemical equilibrium/rate of forward and backward reactions equal	1	
	c) no change	1	

12.	a) i $\text{CH}_3\text{-CH}_2\text{-CH}_2\text{-CH}_3$	1/2	4
	ii $\text{CH}_3\text{-O-CH}_2\text{-CH}_3$	1/2	
iii $\text{CH}_3\text{-CH-CH}_3$   $\text{CH}_3$	1/2		
iv $\text{CH}_3\text{-CH}_2\text{-CH}_2\text{-OH}$	1/2		
	b) i and iii	2	