



Date Planned ://_  Actual Date of Attempt ://_					Daily Tutorial Sheet-1  JEE Advanced Archive				Expected Duration : 45 Min Exact Duration :			
2.	Marsh	Marsh gas mainly contains:									(1980)	
	(A)	$C_2H_2$	(B)	$CH_4$	(	(C)	$H_2S$	(D)	со	_		
3.	Which of the following will decolouri				kaline KN	√InO₄:	solution ?			$\odot$	(1980)	
	(A)	C <sub>3</sub> H <sub>8</sub>	(B)	CH <sub>4</sub>		(C)	CCl <sub>4</sub>	(D)	$C_2H_4$	$\overline{}$	(2000	
1.		is most acidi						, ,		$\odot$	(1981	
							C. h			_	-	
5.	One mole of a hydrocarbon A reacts with one mole of bromine giving a dibromo compound, Ca Compound A on treatment with cold dilute alkaline potassium permanganate solution for											
	compound, C <sub>5</sub> H <sub>12</sub> O <sub>2</sub> . On ozonolysis A gives equimolar quantities of propanone and ethanal. Ded											
	structural formula of A.									(1981		
3.				ene to ethune	(the num	her of ster	ne ehou					
<b>,</b> .	Outline the reaction sequence for the conversion of ethene to ethyne (the number of steps should more than two).										(1981	
7.	The compound with highest boiling point is :										(1982	
	(A) 2-methyl butane (B) n-pentane (C) 2, 2-dimethyl propane (D) n-hexane										$\odot$	
3.	State with balanced equation, what happenes when "propene is bubbled through a hot aqueous									s soluti		
	of potassium permanganate." ?									(1982		
).	Moist ethylene can be dried by passing it through concentrated sulphuric acid. (T/F)									(1982		
0.	Which	Which of the following compounds does not dissolve in conc. H <sub>2</sub> SO <sub>4</sub> even on warming?									(1983	
	(A)	Ethylene	(B)	Benzene		(C)	Hexane	(D)	Aniline	_		
11.	When propyne is treated with aqueous H <sub>2</sub> SO <sub>4</sub> in the presence of HgSO <sub>4</sub> , the major product is :									(1983		
•••	(A) propanal							ogen sulphate			$\odot$	
	(C)	acetone			-	D)	propanol	gen suipi	iacc		0	
•			4 . 3			٠,	proparior			(S)	(100)	
12.	The compound 1, 2-butadiene has :  (A) only sp-hybridised carbon atoms								$oldsymbol{\Theta}$	(1983		
	(A)											
	(B) only sp <sup>2</sup> -hybridised carbon atoms (C) both sp and sp <sup>2</sup> -hybridised carbon atoms											
	(D)	sp, sp <sup>2</sup> and sp	-									
3.			-			d omn	nonio. The pro	duot le r	eneted wit	h avoa	ee matk	
٥.	Acetylene is treated with excess sodium in liquid ammonia. The product is reacted with excession iodide. The final product is									(1983		
	Give reasons for the following in one or two sentences :									(C)		
4.											(1983	
	<ul> <li>(i) Methane does not react with chlorine in the dark</li> <li>(ii) Propene reacts with HBr to give isopropyl bromide but does not give n-propyl bromide.</li> </ul>									mide		
5.		r's reagent is :	o willi fil	or to give	эоргоруг	DIOIII	ide but does no	or give II-]	ргоруг вто	mide.	(1984	
	(A)	alkaline perm	anganate	solution		В)	acidified per	mandanat	e solution		(130	
	(22)	amanne perm	anganace	. soration	(.	,	acramed peri	manganat	Joinnon			
	(C)	neutral perma	nganate	solution	r	D)	aqueous bro	mine solu	tion			