

Date Planned ://	Daily Tutorial Sheet-2	Expected Duration : 90 Min		
Actual Date of Attempt : / /	Level-1	Exact Duration :		

Dale Flaimed//				Duli	Level-1		Expecied Doldholf . 70 Mill				
Actual Date of Attempt ://			-	Exact Duration :							
11.	NO_2	NO_2 is oxidised to nitrate ion NO_3^- which when washed into soil acts as a :									
	(A)	pesticide	(B)	insecticide	(C)	fertilizer	(D)	Both (A) & (B)			
12.	In au	ıtomobile engin	es (at high	temperature)	when fo	ssil is burnt, d	initrogen	and dioxygen combine to			
		yield significant quantities of the gases 'P' & 'Q'.									
		$N_2(g) + O_2(g) \xrightarrow{1488K} 2P(g) ; 2P(g) + O_2(g) 2Q(g)$									
	Rate	Rate of production of Q is faster when P reacts with ozone in the stratosphere $P(g) + O_3(g) \rightarrow Q(g) + O_2(g)$									
		P & Q are respectively:									
	(A)	N_2 & NO	(B)	NO_2 & NO	(C)	${\rm NO~\&~NO}_2$	(D)	NO & N_2			
13.	Whic	Which of the following statements regarding the effects of NO_2 , false?									
	(A)	Higher concentrations of NO ₂ damage the leaves of plants and retard the rate of photosynthesis									
	(B)										
	(C)	NO_2 is harmful to various textile fibers and metals									
	(D)	None of the above									
14.	Which of the following statements regarding hydrocarbons false?										
	(A)	They are composed of only hydrogen and carbon									
	(B)	They are formed by complete combustion of fuel in automobiles									
	(C)	They are carcinogenic i.e. they cause cancer									
	(D)	None of the above									
15.	'Y' is	'Y' is a colourless, odourless gaseous air pollutant. It is highly poisonous to living beings because of its									
	abilit	ability to block the delivery of oxygen to the organs & tissues 'Y' is:									
	(A)	CO_2	(B)	CO	(C)	SO_2	(D)	NO_2			
16.	A gas	s 'G' combines v	with haem	oglobin to form	ı carboxy	yhaemoglobin. I	n blood,	when the concentration of			
	carbo	carboxyhaemoglobin reaches about 3-4 percent, the oxygen carrying capacity of blood is greatly									
		ced. 'G' is:									
	(A)	CO_2	(B)	NO_2	(C)	SO_2	(D)	СО			
17.	Carb	Carbon monoxide gas combines with haemoglobin to form carboxyhaemoglobin. Approximately how									
	•					he oxygen-haen	Ü	•			
	(A)	200	(B)	550	(C)	500	(D)	300			
18.		The oxygen deficiency caused due to carbon monoxide poisoning results in :									
	(A)	headache			(B)	weak eyesigh					
	(C)	cardiovaccul	or dicorder	-	(D)	All of the abo	T/A				



- 19. In pregnant women, who have the habit of smoking, the increased CO level in blood may induce :
 - (A) premature birth

(B) spontaneous abortions

(C) deformed babies

(D) All of the above

 ${\bf 20.} \hspace{0.5cm} {\rm CO_2} \hspace{0.1cm} \mbox{is released into the atmosphere by :}$

I. respiration

II. burning of fossil fuels

III. decomposition of limestone during the manufacture of cement

IV. volcanic eruption

(A) I, II and IV

(B) I, III and IV

(C) I, II, III and IV (D)

I, II and III