THAT COLLEGE OF SOLE [ Total Marks : 75 (21/2 Hours) All questions are compulsory. Internal choices have been given. Figures to the right indicate marks. A) Fill in the blanks (any three) -1) Ozone layer is present in c) Mesosphere b) Stratosphere a) Troposphere serve as nuclei for formation of ice crystals and water coplets. c) Particles b) Radicals is one of the major effects of air pollution in hiral areas. c) Asian brown clouds a) Eutrophication b) Eustatian 4) Ozone concentration is more plentifut near the b) Equator is an example of suspended particulate matter. (Chlorine b) Dust Smog formation is an example of b) Photocherocal c) Hydrochemical a) Geochemical B) Explain the following (any one)-2

QP Code: 12893

Fill in the blanks (any three) -

Oil pollution results in

Elaborate on (and one) -

1) Green house effect

C) Answer the following (any one)-

1) Composition of attacksphere

2) Reactions of oxygen and ozone

2) Particles and ions in atmosphere

dissolved oxygen value of water.

a) Decreased

b) Increased c) None of the above

[TURN OVER

4

6

3

CM-Con. 2761-15.

N.B. :

2)

3)

5)

a) Poles

a) NO.

1) Atmosphere 2) Pollutant

2

3

	2) Mercury affects the
	a) central nervous system b) Peripheral nervous system
	c) Both 'a' & 'b'
	c) Both 'a' & 'b'  3) The degradation of organophosphates and carbonates in the environment
	takes place by the process of
	a) Deamination b) Hydrolysis mg/l.
	4) The total dissolved solids should not exceedmg/1.
	a) 50 b) 500 c)3000
	5) Dithiocarbamate is a
	a) Fungicide b) Herbicide c) Oxidation
	6) Cadmium accumulates in
	a) Brain b) Heart
B)	takes place by the process of
	1) Pesticides as water pollutants
	2) Preliminary water treatment
C)	Write short notes on (any one) -
	1) Cadmium as water pollutant
	2) Criteria for water purity
D)	Elaborate on (any one)-
	1) Tertiary water treatment
	2) Oil spills and detergent was water pollutants
A)	Fill in the blanks (anxthree) -
	1) Crop rotation results in of soil nutrients. onservation
	a) Conservation b)Imbalance c) Dilution  2) The conservation of salt in soil is known as
	a) Mineralization b) Salinization c) Lyophilization
*	3) Contamination of soil changes thesoil quality by
	a) Isomerization b) Deterioration c) Biotransformation
2	Tymphanic membrane denotes
K	a) Outer ear b) Inner ear c) Ear drums
x	[TURN OVER
CM	l-Con. 2761-15.

QP Code: 12893

	5) Day levels and night lev		ible	
	a) Identical b) Ur			
	6) The unit of noise is known	own as	mater and a second	C
	a) Decibel b) He	ertz c) Nano.	meter	20
B)	Explain the following (an	y one)-	J.	5°
	1) Acidification of soil		, AT	
	2) Occupational noise		7/4.	4
C)	Write short notes on (any	one)-	A	18
	1) Effect of CEC on soil q	uality	, pr	
	2) Sonic boom and its in	nplications	T.	6
D)	Elaborate on (any one)-		C. P.	
	1) Nitrogen cycle in envir	ronmental biochem	istry 5	
	2) Classification of noise		SK,	
		C.T.C	A Company of the Company	2
A)	Fill in the blanks (any thr	ee)-		3
	1) Solar energy sources a	are always		
	a) Ecofriendly	b) Economical	c) Enterprising	
	a) Decibel b) He Explain the following (and 1) Acidification of soil 2) Occupational noise Write short notes on (any of the content of the co	t of asbestos is		
	a) Carcinogenic	MAllergic	c) Both 'a' & 'b'	
	a) Non-conventional			
	4) The fullform OFPCB i			
	a) Carbonated	b) Chlorinated	c) Carboxylated	
	5) Natural gas is also kno	own as		
	a) (2) 40	b)CNG	c) CSG	
	6) Environmental monitor	ring can be used fo	r	
	Xa) Air	b) Water		
B)	Defme and explain the fol	lowing (any one) -		2
01.	1) Geochemical energy		the second color of	
The	2) Environmental signific	ance of Kerosene		
			LTHDN OVED	

TURN OVER

	C	Write short notes on (any one) -	
		1) Environmental significance of-Remote sensing	
		2) Environmental significance of-Acid mine drainage	
	D		
		management (any one) -	
		1) Conventional energy sources	13
		2) Monitoring of air pollutants	7
		Z/V	
	5. A)	Elaborate on any one of the following-	
		1) Photochemical smog	
		2) SO <sub>2</sub> as air pollutant	
	B)	Discuss in detail (any one)-	1
		1) Water pollution	
		2) Characteristics of hydrosphere	
	C)	Explain the following (any one)-	3
		1) Structure of soil	
		2) Physiological effects of noise	
	D)	Substantiate any one of the following statement-	3
		1) Biofuels are significant in pollution studies.	
		2) Solar energy is a promising source of energy production.	
	E)	Write True or False (any three) -	3
		management (any one) -  1) Conventional energy sources  2) Monitoring of air pollutants  Elaborate on any one of the following-  1) Photochemical smog  2) SO <sub>2</sub> as air pollutant  Discuss in detail (any one)-  1) Water pollution  2) Characteristics of hydrosphere  Explain the following (any one)-  1) Structure of soil  2) Physiological effects of noise  Substantiate any one of the following statement-  1) Biofuels are significant in pollution studies.  2) Solar energy is a promising source of energy production.  Write True or False (any three) -  1) The increase in the dissolved oxygen value is an index of water pollution.  2) Cadmium poiloning causes itai-itai disease.	
		pollution.	
		2) Cadmium poisoning causes itai-itai disease.	
		3) Soil profile is never depicted as a horizon.	
		4) Hertz is a measurement of frequency.	
		5) Plastic and Poly styrene are non-ecofriendly polymers.	
		6) Part increase in surface to	
		affect world food production.	
	SX		
	Th		
1	7	on. 2761-15.	
JAI	CIVI-C	on. 2/61-15.	
(),	CM-C		