(iii) Carbondioxide

Prir	ited F	Pages-	-4		MCA-21	1		
		(Fo	llowing Paper ID and	Roll No. to	o be filled in your Answer Book)			
PA	PE	R ID	: 3151	R	oll No.	-		
				M.C.	A.	_		
		(5	SEM II) EVEN SEMEST	TER THEO	ORY EXAMINATION, 2009-2010			
			ENVIRONME	NTAL SC	IENCE AND ETHICS			
Time	: 3 F	lours			Total Marks: 10	00		
Note :		The question paper contains three sections: SECTION-A, SECTION-B, and SECTION-C in the weightage of 20, 30 and 50 marks respectively. Follow the instructions as given in each section.						
				SECTIO	N-A			
			ntains 20 questions of a type questions.	multiple ch	noice/Fill in the blanks/True, False/Matchin	ng		
Atte	mpt a	II part	s of this section.		(20x1=2	0)		
1.	Fill	in the	blanks with suitable wo	ords :				
	(a)	World Environment day is observed on						
(b) There is a continued and rapid exchange of O ₂ , CO ₂ and H ₂ O in ecosystem.								
	(c)	Photochemical smog such as PAN and PB2N etc. are released by						
(d) Cyclone separator is used to control					pollution.			
	(e)	COI) is					
	Multiple choice type questions.							
(f) Ozone day is observed on :								
		(i)	03 January	(ii)	26 March			
		(iii)	16 September	(iv)	10 November			
	(g)	Whi	-house gas" ?					
		(i)	Chlorofloro carbons	(ii)	Methane			

(iv) Oxygen

(h)	Soil	erosion can be prevented by :							
	(i)	Removal of vegetation	(ii)	Ove	grazing				
	(iii)	Deforestation	(iv)	Affo	restation				
(i)	Environment means:								
	(i)	a beautiful landscape							
	(ii)	a place to live							
	(iii) sum total of all conditions that affect the life and development of all organisms on earth.								
	(iv)	All the above							
(j)	Environmental degradation is due to:								
	(i)	Poverty		(ii)	Poor quality of life				
	(iii)	Over consumption of resou	rces	(iv)	None				
(k)	Pesticide residues in crops enter the human bodies through:								
	(i)	birds and insects	(ii)	hum	an food chain				
	(iii)	animals	(iv)	Non	e				
(1)	Conventional energy resources are :								
	(i)	Solar energy	(ii)	Tida	l wave energy				
	(iii)	Geothermal energy	(iv)	Foss	il fuel				
Indic	ate Tr	ue or False for the following sta	tement	s:					
(m)	Bios	phere is made of atmosphere	, hyd	rosph	ere and lithosphere.	(T/F			
(n)	Ozone layer is found in thermosphere. (T/)								
(0)	The floating aquatic plants are known as nematode. (T/I								
(n)	Use of computer and its peripherals has no effect on environment (T/)								

Matching type questions:

(q)	Mate	ch List-I and List-II.						
		List-I		List-II				
	(A)	Insect	(i)	Fungi				
	(B)	Mammal	(ii)	Annelida				
	(C)	Invertebrate	(iii)	Termite				
	(D)	Micro organism	(iv)	Bat				
(r)	Mate	ch List-I and List-II.						
		List-I		List-II				
	(A)	Carbohydrates	(i)	Butter				
	(B)	Proteins	(ii)	Maltose				
	(C)	Fats	(iii)	Soyabean				
	(D)	Vitamin-E	(iv)	Globulins				
(s)	Mat	ch List-I and List-II.						
		List-I		List-II				
	(Pollutant)		(Effects)				
	(A)	CO	(i)	Green-house effect				
	(B)	CO ₂	(ii)	Acid rains				
	(C)	SO ₂	(iii)	Acute toxicity				
	(D)	NO _x	(iv)	Ozone liberation at gound level				
(t)	Mat	ch List-I and List-II.		114 444000 114400 11440				
		List-I		List-II				
	(A)	Human rights	(i)	NGOs				
	(B)	Water conflict	(ii)	Air pollution preventive measure				
	(C)	Euro III	(iii)	Human right commission				
	(D)	Social work	(iv)	Kavery River				

SECTION-B

Note: Attempt any three parts. All parts carry equal marks.

(3x10=30)

- (a) Describe Sustainability and Human Development.
 - What is food chain? Explain various food chains with suitable sketches for a (b) terrestrial ecosystem.
 - Describe green-house effect and write down its advantages and disadvantages. (C)
 - (d) What do you mean by hazardous waste? Describe various methods of hazardous waste disposal.
 - Describe role of NGOs in environmental preservations.

SECTION-C

Note: All questions are compulsory. Attempt any two parts from each question. (5x10=50)

- 3. (a) Describe various segments of environment.
 - (b) Explain impact of population on environment.
 - (c) Describe factors which are responsible for land degradation.

OR

Describe renewable and non-renewable resources of energy.

- 4. (a) Explain principle of energy and matter in the environment.
 - (b) Describe Nitrogen cycle.
 - (c) Describe various causes of extinction of the species.
- 5. (a) Explain global warming and its impact on environment.
 - (b) Describe various sources of carbon emissions.
 - (c) Why Ozone shield is necessary for earth? What are the factors responsible for Ozone depletion? Explain.
- 6. (a) Describe various measure that can be taken for controlling water pollution.
 - (b) Differentiate between noise and sound. Give control measures for noise pollution.
 - (c) Describe thermal pollution and suggest suitable measures for its control.

OR

Describe salient features of Air Act.

- 7. (a) Explain environmental ethics.
 - (b) Give a note on conservation of natural resources.
 - (c) Describe impact of technological progress on quality of life and environment.

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