GREENLAWNS HIGH SCHOOL SEMESTER I EXAMINATION

Environmental Studies X – 5/01/24

Maximum Marks: 80

Time allowed: Two hours

Answers to this Paper must be written on the paper provided separately.

.The time given at the head of this Paper is the time allowed for writing the answers.

Attempt all the questions from Section A. Attempt any four questions from Section B.

The intended marks for questions or parts of questions are given in brackets [].

SECTION A (Attempt all questions)

Question 1

		orrect answers to the the question, Write					
(i)	Whic	th one of the following is an effect of soil erosion?					
	(a)	Torrential rain		(b)	Flood		
	(c)	Movement of wir	nds	(d)	Desertification		
(ii)	Advantage of catalytic converter is						
	(a)	reduces quantity	of emission	(b)	reduces horsepower		
	(c)	increases fuel con	nsumption	(d)	increases engine overheating		
(iii)	Which of the following is not a vegetative practice of soil erosion control						
	(a)	Mulching		(b)	Bunds		
	(c)	Foliage crop		(d)	Crop rotation		

[16]

(iv)	Earth's biologically richest and most endangered terrestrial ecoregion is known						
	(a)	gene bank		(b)	biosphere reserve		
	(c)	hotspots		(d)	wildlife sanctuary		
(v)	Durin	g the fourth stage of demo	ographic trans	sition tl	nere are		
	(a)	low birth rates and low	death rates				
	· .(b)	high birth rates and low	death rates		boat advance of tiens of		
	(c)	low birth rates and high	death rates				
	(d)	high birth rates and hig	h death rates				
(vi)	A su	stainable city is designed	with a goal to	minin	nize		
	(a)	elderly population		(b)	energy outputs		
	(c)	energy inputs		(d)	eutrophication		
(vii)	The	Chernobyl disaster occurr	red in				
	(a)	Germany		(b)	Ukraine		
	(c)	Poland		(d)	Belarus		
(vii	i) Cop	opice forest system does n	ot originates/	develo	ps from		
	(a)	stumps		(b)	root suckers		
	(c)	shoots		(d)	seeds		
(ix)) The	e figure given Hbelow re	efers to the so	oil cons	ervation practice of		
	(a)	dry farming	1	(b)	contour farming		
	(c)	terrace farming	ווונועונים.	(d)	strip framing		
			MANUAL MA				

(x)	Species which are most likely to become extinct worldwide are known as					
	(a)	extinct	(b)	critically endangered		
	(c)	vulnerable	(d)	endangered		
(xi)	Asso	ertion (A) – Bhopal gas tragedy was a	gas lea	k incident in India.		
	Reason (R) – Most of the MIC gas related safety systems were not functioning and many valves and lines were in poor condition.					
	(a)	Both A and R are correct	(b)	Both A and R are incorrect		
	(c)	A is false and R is true	(d)	A is false and R is false for A		
(xii)	State	ement A: The Earth Summit does not	address	ed issues related to water scarcity.		
	State	ement B: The Earth Summit resulted	in the co	onvention on Biodiversity.		
	(a)	Both statement A and statement B	are corr	ect		
	(b) Both statement A and statement B are incorrect (c) Statement A is correct and statement B is incorrect (d) Statement A is incorrect and statement B is correct					
(xiii)	i) Match column 1 with column 2 and choose the correct option from those given below					
		Column 1	Colui			
	(1)	GEF	(A)	CFC to be phased out by 2000		
	(2)	CITES	(B)	Biodiversity		
	(3)	Kyoto Protocol	(C)	Endangered species conservation		
	(4)	Montreal Protocol	(D)	Reduction of green house gases		
	(a)	1-C,2-B,3-D,4-A				
	(b)	1-B,2-C,3-A,4-D				
	(c)	1-B,2-D,3-C,4-A				
	(d)	1-B,2-C,3-D,4-A				

figure 1.6 on next page

(xiv)	Identi	ify the device shown above.					
	(a)	cyclone separators	(b)	wet sc	rubber		
	(c)	bag filters	(d)	gravity	settling chambers		
(xv)	Shov	vn device remove particles wi	thin the	range of			
	(a)	10 – 15 μm		(b)	10 – 50 mm		
	(c)	10 – 50 μm		(d)	10 – 15 mm		
(xvi)	This	device is widely used in					
	(a)	I.T. industry		(b)	cement industry		
	(c)	Hospitality		(d)	Hospitals		
Ques	tion 2						
(i)	Defir	ne core and buffer area.				[2]	
(ii)	Wha	it is biodiesel?				[2]	
(iii)		at is debt trap? Give reason eveloping countries	for pov	erty and	d environmental degradation	[2]	
(iv)	Disc	uss Global Interdependenc	e.			[2]	
Ques	tion 3				facoust word 10		
(i)	Wha	at is Gasohol?				[2]	
(ii)	Wha	at is rationale behind the Ra	ımsar c	onventi	on?	[2]	
(iii)	Define wildlife. Discuss the need to protect it.						
(iv)	Wha	at is bio fertilisers? Give two	examp	oles.		[2]	

Question 4

(i)	What is energy plantation?	[2]
(ii)	Write 2 natural causes of soil erosion.	[2]
(iii)	Define bioremediation.	[2]
(iv)	Give 2 features of a green building.	[2]

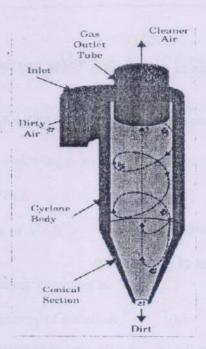


Fig 1.6

SECTION B

(Attempt any four questions from this section)

Ques	tion 5	
(i)	Describe five ways of reducing air pollution from domestic sources?	[5]
(ii)	Discuss five effective personal initiatives to reduce vehicular pollution.	[5]
0		
Ques	tion 6	
(i)	Explain how population growth is linked to climate change.	[5]
(ii)	Write briefly on integrated rural development.	[5]
Ques	ction 7	
(i)	Describe the process of composting. State any four advantages of using compost.	[5]
(ii)	What are the reasons for failure of community forestry in India?	[5]
Que	stion 8	
(i)	Write five alternatives to timber?	[5]
(ii)	Discuss the concept of gene banks.	[5]
One	stion 9	
Que		
(i)	Distinguish between In situ and Ex situ conservation. (Five points)	[5]
(ii)	Write short note on CITES.	[5]
		TEI "
Que	stion 10	
(i)	Discuss hydrogen as an alternative fuel.	[5]
(ii)	Explain contributions of multi-national companies towards the environment.	[5]