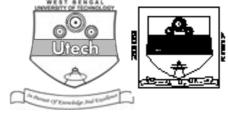
ENVIRONMENT & ECOLOGY (SEMESTER - 4)

CS/BTTM/SEM-4/TTM-403/09



1.	Signature of Invigilator				d	-	Envision	and trade	'n	20 =3	<u>‡</u>	∕_ * ≊=
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	Roll No. of the Candidate	<u> </u>			 <u> </u>							

CS/BTTM/SEM-4/TTM-403/09 **ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE - 2009 ENVIRONMENT & ECOLOGY (SEMESTER - 4)**

Time: 3 Hours 1 [Full Marks: 70

INSTRUCTIONS TO THE CANDIDATES:

- This Booklet is a Question-cum-Answer Booklet. The Booklet consists of 32 pages. The questions of this concerned subject commence from Page No. 3.
- 2. In Group - A, Questions are of Multiple Choice type. You have to write the correct choice in the box provided against each question.
 - For Groups B & C you have to answer the questions in the space provided marked 'Answer h) Sheet'. Questions of Group - B are Short answer type. Questions of Group - C are Long answer type. Write on both sides of the paper.
- Fill in your Roll No. in the box provided as in your Admit Card before answering the questions. 3
- Read the instructions given inside carefully before answering. 4.
- You should not forget to write the corresponding question numbers while answering. 5.
- 6. Do not write your name or put any special mark in the booklet that may disclose your identity, which will render you liable to disqualification. Any candidate found copying will be subject to Disciplinary Action under the relevant rules.
- 7. Use of Mobile Phone and Programmable Calculator is totally prohibited in the examination hall.
- You should return the booklet to the invigilator at the end of the examination and should not take any 8. page of this booklet with you outside the examination hall, which will lead to disqualification.
- Rough work, if necessary is to be done in this booklet only and cross it through. 9.

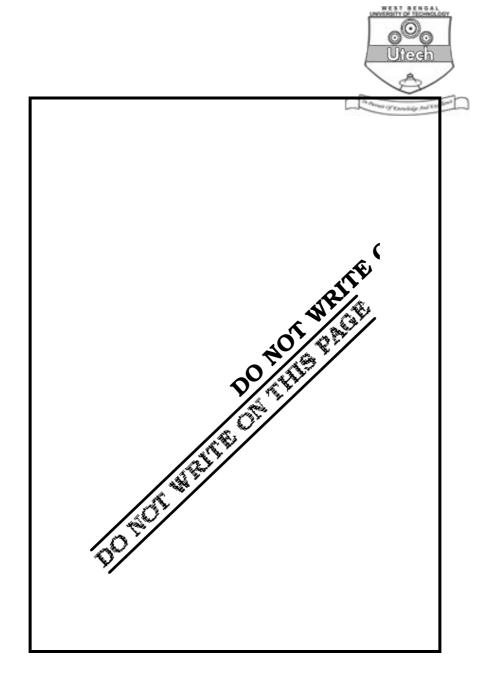
No additional sheets are to be used and no loose paper will be provided

FOR OFFICE USE / EVALUATION ONLY Marks Obtained Group - B Group - A Group - C Examiner's Question Total Signature Number Marks Marks Obtained

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Head-Examiner	/Co-Ordinator	/Scrutineer

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ENVIRONMENT & ECOLOGY SEMESTER - 4

Time: 3 Hours [Full Marks: 70

GROUP - A

(Multiple Choice Type Questions)

l.	Cho	choose the correct alternatives for the following:								
	i)	Which of the following is not an environmental problem?								
		a)	Wastage of water	b)	Conservation of water					
		c)	Deforestation	d)	Land erosion.					
	ii)	Which of the following is not a symptom of ozone pollution on human health?								
		a)	Sore throat	b)	Lung cancer					
		c)	Amnesia	d)	Asthmatic attack.					
	iii)	Why is the 21st century a 'Climate Century' ?								
		a)	Global Warming							
		b)	Increasing Magnitude and Fre	quenc	y of Super-storms					
		c)	The Global Political Agenda							
		d)	Increasing Climate Induced D	isaste	rs.					
	iv)	World Environment Day is celebrated every year on								
		a)	5th March	b)	15th April					
		c)	15th May	d)	5th June.					
	v)) are used in electrostatic precipitators.								
		a)	Catalysts	b)	Absorbers					
		c)	Electrodes	d)	Chemicals.					

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	vi)	f indoor air quality?	V					
		a)	Dust pollution	b)	Smoke pollution			
		c)	Carbon monoxide pollution	d)	Heat.			
	vii)	Whi	ch of the following is not an ind	icator	The state of the s			
		a)	Sea level rise					
		b)	Glacial retreat					
		c)	Slope failures					
		d)	Increase in greenhouse gases	(Ghg	s).			
	viii) Biological oxygen demand of is the least.							
		a)	Sewage	b)	Sea water			
		c)	Pure water	d)	Polluted water.			
	ix)	'Ars	enicosis' is associated with					
		a)	water pollution	b)	land pollution			
		c)	solid waste disposal	d)	noise pollution.			
x) Ozone pollution has serious impact on all of the following, <i>except</i>								
		a)	vegetation	b)	water quality			
		c)	buildings	d)	atmospheric visibility.			
			GROU	P – B				
			(Short Answer T	`уре Q	uestions)			
			Answer any three of th	e follo	wing questions.	$3 \times 5 = 15$		
0	T T	•	. 1 . 6 . 10.0					

How is acid rain formed? Give example. 2.

3. How do you define Montreal Protocol?

What are the consequences of change in the ecological balance ?4.

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- 5. How do you classify solid wastes? Give example.
- 6. State the main components of Ecosystem.



GROUP - C

(Long Answer Type Questions)

Answer any *three* of the following questions.

 $3 \times 15 = 45$

- 7. Do you think tourism is responsible for environment degradation? As a tourism manager how do you think you can help in sustainable development of a tourist destination? Write down your answer in view of ecotourism concept.
- 8. State the aims of conservation of bio-diversity. Write down the steps and methods for conservation of bio-diversity. Highlight the concepts of sanctuary, national park and biosphere reserves. Give at least one example of each. $2 + 4 + (3 \times 2) + (3 \times 1)$
- 9. Mention the sources of water pollution. Hence define the term 'eutrophication'? Write down the effects of water pollution. Do you think that $Ganga\ Action\ Plan\$ was successful to eradicate water pollution in our country? 3+3+3+6
- 10. "The Environment Protection Act, 1986 has given powers to Central Government to take measures to protect and improve the environment." Decribe the act briefly to elaborate the statement.
- 11. Describe elaborately about the *Greenhouse Effect* and its impact over global climate change. 5 + 10

END