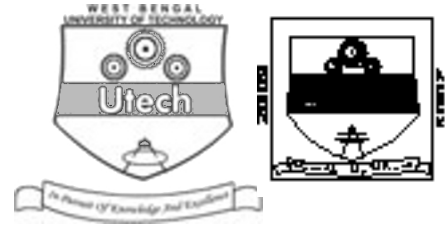


ENVIRONMENT & ECOLOGY (SEMESTER - 4)

CS / HM / SEM-4 / BHM-403 / 09



1.
Signature of Invigilator

2.
Signature of the Officer-in-Charge

Reg. No.

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Roll No. of the Candidate

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CS / HM / SEM-4 / BHM-403 / 09
ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE - 2009
ENVIRONMENT & ECOLOGY (SEMESTER - 4)

Time : 3 Hours]

[Full Marks : 70

INSTRUCTIONS TO THE CANDIDATES :

- 1. 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. a) In Group - A, Questions are of Multiple Choice type. You have to write the correct choice in the box provided against each question.
- b) For Groups - B & C you have to answer the questions in the space provided marked 'Answer Sheet'. Questions of Group - B are Short answer type. Questions of Group - C are Long answer type. Write on both sides of the paper.
- 3. Fill in your Roll No. in the box provided as in your Admit Card before answering the questions.
- 4. Read the instructions given inside carefully before answering.
- 5. You should not forget to write the corresponding question numbers while answering.
- 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.
- 8. You should return the booklet to the invigilator at the end of the examination and should not take any page of this booklet with you outside the examination hall, which will lead to disqualification.
- 9. Rough work, if necessary is to be done in this booklet only and cross it through.

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

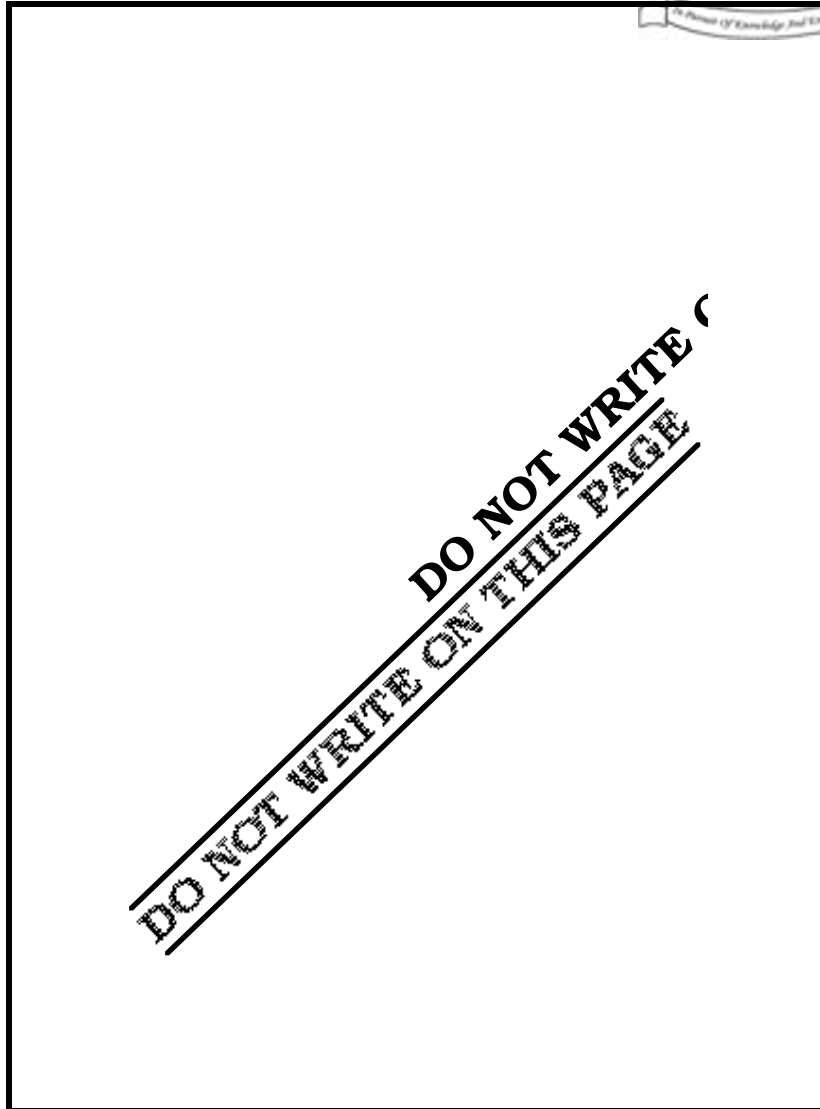
FOR OFFICE USE / EVALUATION ONLY

Marks Obtained

Question Number	Group - A							Group - B					Group - C			Total Marks	Examiner's Signature		
Marks Obtained																			

Head-Examiner / Co-Ordinator / Scrutineer

4553 (10/06)





ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE – 2009
ENVIRONMENT & ECOLOGY
SEMESTER - 4



Time : 3 Hours]

[Full Marks : 70

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following : 10 × 1 = 10
- i) The region of the Earth comprising of water bodies is called

a) Biosphere	b) Lithosphere	
c) Hydrosphere	d) Atmosphere.	<input type="checkbox"/>

 - ii) Carbon dioxide, Nitrogen, Oxygen, Water, Sulphur, Calcium, Sodium etc. are the

a) organic compounds	b) inorganic compounds	
c) biotic components	d) decomposed matter.	<input type="checkbox"/>

 - iii) A terrestrial food chain : Grass → → Frog → Snake → Peacock → Fox.
What is there in the blank space ?

a) Small fish	b) Men	
c) Grasshopper	d) Plankton.	<input type="checkbox"/>

 - iv) Which is often found locked in fossil fuel and limestone ?

a) Carbon	b) Oxygen	
c) Fat	d) Protein.	<input type="checkbox"/>

 - v) Extraction of minerals and other materials from the Earth's crust for human use is known as

a) agriculture	b) industrialisation	
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- c) mining
 - d) grazing.
- vi) Incineration is the method of burning of waste in a
- a) large furnace
 - b) large room
 - c) large well
 - d) large drain.
- vii) What is the main cause of destruction of terrestrial ecosystem ?
- a) Migration
 - b) Industrialisation
 - c) Over-population
 - d) Poverty.
- viii) Loss of plant cover leads to soil erosion and
- a) Deforestation
 - b) Aforestation
 - c) Desertification
 - d) Fire.
- ix) What is richness and diversity of species of plants and animals in a place known as ?
- a) Habitat
 - b) Ecosystem
 - c) Biodiversity
 - d) Resource.
- x) EIA aims development without causing damage to
- a) environment
 - b) universe
 - c) atmosphere
 - d) country's economy.
- xi) What type of energy are solar energy and geothermal energy ?
- a) Exhaustible
 - b) Inexhaustible
 - c) Static
 - d) Dynamic.
- xii) Most of the water is in
- a) river
 - b) lakes
 - c) spring
 - d) oceans.
- xiii) Bandages, syringes, saline bottles, tissues, blood stained cotton etc. are variety of wastes.





10. Define eutrophication. Why is it necessary to treat the sewage before its disposal ?

Discuss the factors and financial implications to be taken in consideration while setting up a waste water treatment plant.



2 + 5 + 8

11. Write short notes on any *two* of the following :

2 × 7 $\frac{1}{2}$

- i) Role of plastic on land pollution
- ii) Environment Protection Act
- iii) Catalytic converter
- iv) Bio-medical wastes
- v) Oxygen cycle.

END