ENVIRONMENT & ECOLOGY (SEMESTER - 2)

CS/B.Pharm(Old/New)/SEM-2/HU-202/09

1. ..... *Signature of Invigilator*

2. ..... *Signature of the Officer-in-Charge*

Reg. No. | | | | | | | | | | | | | | |

Roll No. of the Candidate | | | | | | | | | | | | | | |

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CS/B.Pharm(Old/New)/SEM-2/HU-202/09

ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE – 2009

ENVIRONMENT & ECOLOGY (SEMESTER - 2)

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

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Marks Obtained

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

.....

Head-Examiner/Co-Ordinator/Scrutineer

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ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE – 2009

ENVIRONMENT & ECOLOGY

SEMESTERS - 2

Time : 3 Hours] [Full Marks : 70

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following : 10 ∞ 1 = 10

i) Plastic is a

a) non-biodegradable waste b) biodegradable waste

c) chemical waste d) all of these. ☐

ii) Noise standard in restricted area in daytime is

a) 55 dB b) 65 dB

c) 75 dB d) none of these. ☐

iii) Which of the following is not a fossil fuel ?

a) Coal b) Wood

c) Petroleum d) LPG. ☐

iv) The minerals are resources of which type of the following ?

a) Renewable b) Non-renewable

c) Non-conventional d) None of these. ☐

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v) Biosphere is made of

a) atmosphere b) hydrosphere

c) lithosphere d) all of these. ☐

vi) Carrying capacity of the environment is concerned with the growth of

a) population b) species

c) community d) forests. ☐

vii) Organism that kills and eats other organism is called

a) predator b) parasite

c) decomposer d) producer. ☐

viii) Nitrate formulation process is called

a) denitrification b) ammonification

c) nitrification d) assimilation. ☐

ix) Acid rain is caused due to the mixing of rain water with

a) SO_2 and NO_x b) CO_2

c) CO d) O_2 . ☐

x) Minamata disease was caused due to

a) intake of arsenic b) intake of lead

c) intake of mercury d) intake of cadmium. ☐

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GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. 3 ∞ 5 = 15

2. What is Greenhouse effect ? How do the Greenhouse gases function in the atmosphere ? 2 + 3

3. State the concept of global warming. What are the causes of global warming ? 2 + 3

4. Mention the effects of Ozone layer depletion.

5. Write the effects of Acid Rain. Give example.

6. Write a note on Trickling Filter Process.

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. 3 ∞ 15 = 45

7. Define the concept of ground water. What are the ground water pollutants and their sources ? What measures do you take for the prevention of ground water pollution ? What do you mean by point source and diffuse source ? 2 + 5 + 5 + 3

8. How do you define air pollution ? Write about the different types of air pollutants with examples. Mention the adverse effects of air pollution. 2 + 6 + 7

9. What do you mean by soil pollution ? Write the main sources of soil pollution. State the different methods of solid waste disposal. Mention the methods of control biomedical waste. 1 + 5 + 5 + 4

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10. Highlight the different environmental segments. Briefly describe them. Describe nitrogen cycle with a labelled diagram. 2 + 6 + 7

11. State the different sources of noise pollution. Mention the measures to be taken to control noise pollution. How does the noise pollution affect human beings ? 4 + 6 + 5

END

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