S.No. : 643

BAS 3204

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Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 99910 Roll No. 1 2 2 0 4 4 0 0 3 8

B. Tech. / IMBA Examination 2022-23

(Even Semester)

ENVIRONMENTAL STUDIES

Time : Three Hours] *[Maximum Marks : 60*

Note :– Attempt all questions.

SECTION–A

1. Attempt all parts of the following : 8×1=8

   (a) Write the main objectives of environmental education.

   (b) Who gave the term ecology?

   (c) What are water-borne diseases? Give examples.

   (d) What is eutrophication?

   (e) Define carrying capacity of the system.

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(f) What is BOD?

(g) What is the unit to measure thickness of ozone layer?

(h) Name the main green house gases.

SECTION – B

2. Attempt any two parts of the following : 2×6=12

(a) What do you understand by conventional and non-conventional energy sources? Explain working of a solar cell and give its applications.

(b) What is global warming? Discuss causes, effects and control measures of global warming.

(c) What is the population growth rate? Discuss logistic growth curve and equation of population.

(d) What is an NGO? Discuss the role of NGO's in environment protection.

SECTION – C

Note :– Attempt all questions. Attempt any two parts from each question. 5×8=40

3. (a) Differentiate between the food-chain and food-web with suitable examples.

(b) Define sustainable development. What are the measures to achieve it?

(c) Write short notes on the following :

(i) Biomagnification

(ii) Dental and skeletal fluorosis

4. (a) What is rain water harvesting? Discuss various methods of rain water harvesting and its benefits.

(b) Briefly describe the sources, effects and control of noise pollution.

(c) What is solid waste management? Discuss various methods of solid waste disposal.

5. (a) Define water pollution. Discuss adverse effects and control of water pollution.

(b) What is acid rain? Discuss the causes and effects of acid rain. How has it damaged the Taj-Mahal?

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(c) What is the ozone hole? State the causes of ozone hole formation. Discuss its effects on human beings.

6. (a) What is ecosystem? Discuss different components of ecosystem. What are the role of producer, consumers and decomposers in an ecosystem?

(b) What is biodiversity? Discuss the methods of biodiversity conservation.

(c) Write about the following acts :

(i) The Water (Prevention and Control of Pollution) Act, 1974.

(ii) The Air (Prevention and Control of Pollution) Act, 1981.

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