

(Following Paper ID and Roll No. to be filled in your
Answer Books)

Paper ID : 121661

Roll No.

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B. TECH.

Theory Examination (Semester-VI) 2015-16

EARTH AND ENVIRONMENT

Time : 3 Hours

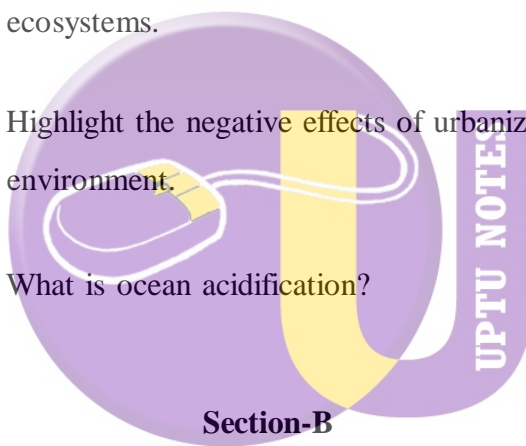
Max. Marks : 100

Section-A

- 1. Attempt all parts. All parts carry equal marks. Write answer of each part in short. (2×10=20)**

- (a) How acid rain is formed?
- (b) Give short notes on different layers of atmosphere.
- (c) List the abiotic factors interacting in the biosphere.
- (d) Point out the major conservation measures taken to preserve wildlife.

- (e) What are the impacts caused by fisheries on the ecosystem?
- (f) Distinguish organic farming from modern agriculture.
- (g) Define hazard mitigation.
- (h) Write about key impact of dam on aquatic ecosystems.
- (i) Highlight the negative effects of urbanization on the environment.
- (j) What is ocean acidification?



2. Attempt any five questions from this section. (10×5=50)

- (a) Explain in brief the different classes of the natural hazards and disasters with the internal and external processes involved in these hazards.

- (b) Discuss in detail the global carbon cycle with a simple diagram.
- (c) Illustrate in detail the various sources of human-induced greenhouse effect and provide ways to combat it.
- (d) Describe in detail how various physical and biological factors are leading to food shortages.
- (e) List the different conventional energy resources. Why is it important and provide the ways to conserve it.
- (f) Provide the ways of mineral recycling and the importance of this process on environmental protection.
- (g) i. Give the principle of Earth's energy budget with simple diagram. (4)
- ii. Describe in brief the tectonic plates and various plate boundaries. (6)
- (h) Write in detail about the key components of green revolution in India along with its benefits.

Section-C

Note: Attempt any two questions from this section.

(15×2=30)

3. (a) According to you, which is the most alarming environmental issue in India and the causes of it. (10)
(b) Write in brief the role of Indian law in the environmental issues. (5)
4. (a) Write short notes on the river and reservoir channelization. (5)
(b) How channelisation helps in mitigating the impacts of issues related to water resources. (10)
5. (a) Give the different International environment treaties on hazardous substances. (5)
(b) Discuss in detail the issues related to hazardous waste in India. (10)