

Hall Ticket No

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Course Code: AHSD06



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

B.TECH I SEMESTER CIE - II EXAMINATIONS, JANUARY - 2024

Regulation: BT23

ENVIRONMENTAL SCIENCE

(COMMON TO ALL BRANCHES)

Time: 2 Hours

Max Marks: 20

Answer any FOUR questions

All parts of the question must be answered in one place only

1. (a) Discuss the actions that can be taken to conserve biodiversity. How do protected areas benefit biodiversity and humans? [BL: Understand| CO: 4|Marks: 2]  
(b) Describe how effective are different types of protected areas at conserving biodiversity and providing ecosystem services? [BL: Understand| CO: 4|Marks: 3]
2. (a) Write about sustainable development. What are the threats and measures for sustainable development? [BL: Understand| CO: 5|Marks: 2]  
(b) Why do we refer environment protection act 1986 as an umbrella act? Discuss the role of various governmental agencies in environmental protection and control. [BL: Understand| CO: 5|Marks: 3]
3. (a) Outline the major components of population growth. What are the advantages of having a healthy population? [BL: Understand| CO: 5|Marks: 2]  
(b) Why are developing countries experiencing rapid population growth while developed countries are growing more slowly? Explain. [BL: Understand| CO: 5|Marks: 3]
4. (a) Write the objectives, principles, key elements and importance of environmental impact assessment. [BL: Understand| CO: 6|Marks: 2]  
(b) What is population explosion? Write the consequences and controlling methods of population explosion. [BL: Understand| CO: 6|Marks: 3]
5. (a) Discuss the major components of population growth. What are the advantages of having a healthy population? [BL: Understand| CO: 6|Marks: 2]  
(b) List the physical, physiological and psychological effects of noise. Describe the adverse health effects due to industrial noise. What should be the cloud and pour point of a good lubricant? [BL: Understand| CO: 6|Marks: 3]

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