

**I B. Tech I Semester Supplementary Examinations, May - 2018**  
**ENVIRONMENTAL STUDIES**

(Com. to ME, ECE, IT, CHEM, BME, E Com E, PCE &amp; MM)

Time: 3 hours

Max. Marks: 75

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Answer any **FIVE** Questions  
All Questions carry **Equal** Marks

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1. Describe the multidisciplinary nature of environmental studies. (15M)
2. a) What are the different trophic levels of organisms in an ecosystem? (8M)  
b) Why is a complex ecosystem more stable than one with few species? (7M)
3. Write briefly about the following types of ecosystems. Bring out the unique characteristics, threats and also the action needed to overcome threats: (15M)  
(a) Marine ecosystem.  
(b) Desert ecosystem  
(c) Grasslands.
4. Explain about (a) Value of biodiversity (b) wildlife conflicts. (15M)
5. Describe the sources, effects and methods of control of the following: (15M)  
(a) Soil and agricultural Pollution.  
(b) Thermal Pollution.
6. a) Explain about Wildlife Protection Act. (8M)  
b) Explain about Forest Conservation Act. (7M)
7. Write a note on: (15M)  
(a) Role of Information Technology in Human Health.  
(b) Home Sanitation.
8. Write a brief note on any two trees and any two mammals we come across in daily life and their value to the environment. (15M)