



INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRICAL AND ELECTRONICS ENGINEERING

ASSIGNMENT QUESTIONS

Course Name	:	Environmental Studies
Course Code	:	A60009
Class	:	III B.Tech II Semester
Branch	:	Electrical and Electronics Engineering
Year	:	2017 - 2018
Course Coordinator	:	Mr. V.S. K Prasad Rao, Associate Professor
Course Faculty	:	Mr. V.S. K Prasad Rao, Associate Professor

OBJECTIVE:

To meet the challenge of ensuring excellence in engineering education, the issue of quality needs to be addressed, debated and taken forward in a systematic manner. Accreditation is the principal means of quality assurance in higher education. The major emphasis of accreditation process is to measure the outcomes of the program that is being accredited.

ASSIGNMENT - I			
UNIT - I			
S. No	QUESTION	Blooms Taxonomy Level	Course Outcomes
1	List the different development activities, including construction of dams, affect the various ecosystems and what action need to be taken to conserve them.	Remember	3
2	Explain the impacts of pesticide and other agro chemicals on any ecosystem you have visited.	Understand	2
3	Explain with examples the links between the activities of man which are hazardous to human health and ecosystem.	Remember	4
4	Why ecosystem is getting degraded and what are the steps have to be taken by public?	Understand	1
5	If every organism must eat another organism for survival, where does the food chain start? Recall.	Understand	3
6	What would happen to an ecosystem if all its decomposer and detritus feeder were eliminate.	Remember	1
7	List the food chain and food web? give example and discuss their significance.	Understand	1
8	List the biogeochemical cycles? Explain nitrogen cycle with help of a diagram.	Remember	3

9	Define the ecological pyramids? Explain why some of these pyramids are upright while others are inverted in different ecosystem.	Understand	4
10	Explain energy flow of the ecosystem.	Remember	4
UNIT – II			
11	List the alternate energy sources? Explain their present status, merits and demerits.	Understand	4
12	Explain the environmental impacts of (i) Fertilizer – Pesticides (ii). Over grazing.	Remember	1
13	Define mining. Explain various environmental impacts of mineral extraction.	Understand	4
14	List the importance of forest resources for economic and ecological wealth of country?	Understand	1
15	Discuss about the soil texture, structure and its composition.	Remember	4
16	Write a short note on wind energy; also discuss its advantages and limitations.	Understand	4
UNIT - III			
17	Summarize consumptive use value, productive use value, social value and optional value of biodiversity?	Remember	3
18	How the study of biodiversity is beneficial to human life.	Remember	1
19	Explain the threats to biodiversity?	Understand	1
20	Define biodiversity; explain genetic biodiversity, species diversity and ecosystem diversity?	Remember	1
ASSIGNMENT II			
UNIT - III			
1	List different developmental activities, including construction of dams, affect the biodiversity and action need to be taken to conserve them.	Understand	3
2	Why is biodiversity valuable and how can be the value of biodiversity estimated?	Understand	2
3	India is one of the world's richest countries in terms of its vast array of biological diversity. Support the statement with three facts.	Understand	1
4	What are the basic issues in protecting wild flora and fauna?	Understand	1
UNIT - IV			
5	Explain sewage water treatment plants, effluent water treatment plants and common effluent treatment plants.	Remember	4
6	List the effects of water pollution and enumerate drinking water quality standards	Understand	2
7	Explain the methods for the control of water pollution.	Remember	1
8	List out the Sewage treatment plants, effluent treatment plants and common effluent treatment plants in your vicinity.	Understand	1
9	List the physical, physiological and psychological effects of noise?	Remember	4
10	Describe National ambient air quality standards.	Remember	1

11	Define water pollution and explain point and non point sources of water pollution.	Understand	1
12	Define environmental pollution and explain their types and effects.	Understand	1
UNIT – V			
13	Why do we refer environment protection act 1986 as an umbrella act? Discuss the role of various governmental agencies in environmental protection and control.	Understand	3
14	How do you define the pollution as per water act, 1974? Write the salient features of this act.	Remember	4
15	Explain the concept of green building. How will green building impact the environment overall.	Understand	3
16	What are the rules and regulations that guide waste management in India?	Understand	2
17	Why is sustainable development so often associated with protecting the environment?	Understand	3
18	Explain how does wild life protection act, 1972 deal with human-animal conflict? Mention the major threats being faced by the wild life in India.	Understand	1
19	What is meant by a basic environmental assessment? Describe the key steps of this process.	Understand	4
20	Why are developing countries experiencing rapid population growth while developed countries are growing more slowly?	Understand	3

Prepared by:
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