

- (e) Discuss briefly the salient features of the Prevention and Control of Pollution Act, 1984 for water. 5
- (f) What is 'Rain-Water Harvesting' ? Name and discuss in brief the types of rainwater harvesting. 5



Printed Pages : 4

TES101

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

PAPER ID : 0099

Roll No.

--	--	--	--	--	--	--	--	--	--

B.Tech

(SEM I) ODD SEMESTER THEORY EXAMINATION 2009-10
ENVIRONMENTAL STUDIES

Time : 3 Hours]

[Total Marks : 100

Note : Attempt all questions.

1 Attempt any **four** parts of the following :

- (a) Discuss the importance of environmental studies. 5
What is meant by environmental pollution ?
- (b) Explain the term 'man induced landslides'. 5
Enumerate the measures to control landslides.
- (c) Hydropower is clean non-polluting source of 5
energy. Comment on it.
- (d) Enumerate the effects of deforestation. Explain 5
the measures taken for conserving forest wealth.
- (e) Discuss the major world food problems. How 5
is undernourishment differ from 'malnourishment' ?
- (f) Enumerate the role of an individual in 5
conservation of natural resources.



- 2 Attempt any **four** parts of the following :
- (a) What is meant by structure of an ecosystem ? 5
Explain the various components of an ecosystem.
 - (b) Write short notes on : 5
 - (i) Lake ecosystem
 - (ii) Forest ecosystem
 - (c) Explain the flow of energy through the various 5
components of the ecosystem.
 - (d) What is ecological succession ? Describe the 5
causes and basic types of ecological succession.
 - (e) Define an ecological pyramid and its various 5
types.
 - (f) Define food chain. Name and explain various 5
types of food chain with suitable examples.

- 3 Attempt any **two** parts of the following :
- (a) What are hotspots of biodiversity ? Discuss 10
their significance. Explain the hotspots that
extend into India.
 - (b) What are the various human actions which 10
are responsible for extinction of species, discuss
also the causes that have posed threats to
biodiversity.

- (c) Define biodiversity. Explain genetic diversity, 10
species diversity and ecosystem diversity.
- 4 Attempt any **two** parts of the following :
- (a) What are major causes of soil pollution ? How 10
does soil pollution affect soil productivity ? What
measures can be taken to prevent the soil
pollution ?
 - (b) What are solid wastes ? Discuss different types 10
of solid wastes and their effects.
 - (c) What do you understand by water pollution ? 10
Suggest various remedial and control measures
to minimize water pollution.
- 5 Attempt any **four** parts of the following :
- (a) Explain the problems associated with ozone 5
layer depletion.
 - (b) Write short note on pollution explosion. 5
 - (c) What is meant by 'value' and 'value education' ? 5
Discuss their concept with the help of suitable
illustrations.
 - (d) Discuss role of information technology in human 5
health.