



REEXAM

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**VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE**  
**[Central Technological Institute, Maharashtra State]**  
**Matunga, Mumbai-400 019**

END SEMESTER REEXAMINATION SEMESTER & PROGRAM	June 2013	DATE OF EXAM	04/06/2013
TIME ALLOWED	<i>S.Y.B.Tech, SEM IV</i>	TIME	1:30 To 4:30
COURSE :	<i>3 HRS.</i>	MARKS	<i>100</i>
BRANCH:	<i>ENVIRONMENTAL STUDIES</i>		
	<i>Civil, Mechanical, Production, Electronics, Electronics &amp; TC</i>		

Instructions 1. Figures to the right indicate full marks.

- Q.1 a. What is Sustainable Development? 02  
b. What is Food Security? 02  
c. Define Incineration. 02  
d. Draw a food chain diagram for a desert ecosystem. 02  
e. Define air pollution. Enlist primary air pollutants. 02  
f. What is overgrazing? 02  
g. Enlist the threats to biodiversity. 02  
h. Define biomagnifications with an example. 03  
i. What is indirect solar energy? Explain. 03
- Q.2 a. Explain nitrogen cycle and sulphur cycle with neat diagrams. 08  
b. Describe the three hierarchical levels of biodiversity. 06  
c. Write a short note on 'Chipko Movement'. 06
- Q.3 a. What are the in-situ and Ex-situ measures for biodiversity conservation? 07  
b. 'Construction of big dams is essential for India'. Explain your views against or in support of the statement. What are the conflicts over water around us. 08
- Q.4 a. Write a short note on functional components of an ecosystem. 07  
b. Write a short note on environmental disasters and their mitigation measures. 08
- Q.5 a. How is soil formed? Explain the factors responsible for degradation of land. 07  
b. Define Watershed. Describe the components of Watershed Management. 08
- Q.6 a. State the functions of SPCB & CPCB under the Water Act 1974 07  
OR  
Write a note on Child Welfare Programmes and Policies.  
b. Write a note on population growth and variation in India? 08  
OR  
b. Describe the role of IT in environment & human health.

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