

Reg.No. \_\_\_\_\_



# Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)  
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

## End Semester Examination – Nov/Dec – 2016

**Code : 14CH1003**  
**Sub. Name : ENVIRONMENTAL STUDIES**

**Semester : 2016-17 ODD**  
**Duration : 3hrs**  
**Max. marks : 100**

### ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Discuss briefly on flood and its types.	CO1	05
	b.	Describe benefits and problems associated with dams.	CO2	10
	c.	How will you control soil erosion?	CO2	05
	d.			
	e.			
(OR)				
2.	a.	Discuss the merits and demerits of dams.	CO1	10
	b.	What is deforestation? What are the major consequences, effects and causes of deforestation?	CO2	10
	c.			
	d.			
	e.			
3.	a.	Define the term eutrophication.	CO1	02
	b.	Give the differences between food chain and food web with neat flowchart and diagram.	CO2	06
	c.	What are biotic components? Briefly discuss the structure of an ecosystem.	CO1	12
	d.			
	e.			
(OR)				
4.	a.	What is ecological succession? Explain the process of ecological succession.	CO2	10
	b.	Give an account on values of biodiversity with examples.	CO1	10
	c.			
	d.			
	e.			
5.	a.	What is dB? Prolonged siren disturbs the environment. Justify it.	CO2	10
	b.	What are the different types of air pollutants? Give its effects and sources	CO1	10
	c.			
	d.			
	e.			
(OR)				
6.	a.	Explain the following methods with diagram. A) Cyclone separator. B) Electrostatic precipitator.	CO1	10
	b.	What is solid waste? Explain various disposal methods of solid waste.	CO2	10
	c.			
	d.			
	e.			
7.	a.	What are Green house gases? What are the causes and effects of Global warming?	CO2	10
	b.	Write the salient features of Water conservation act.	CO2	05

	c.	Give the causes and effects of acid rain.	CO1	<b>05</b>
	d.			
	e.			
<b>(OR)</b>				
8.	a.	Define Green chemistry. “Green chemistry principles are needed today” Justify it.	CO2	<b>10</b>
	b.	What is sustainable development? Give its measures and problems of sustainable development.	CO1	<b>10</b>
	c.			
	d.			
	e.			
		<b><u>Compulsory:</u></b>		
9.	a.	Give a brief account of various water conservation methods in our daily life.	CO1	<b>10</b>
	b.	What are HIV and AIDS? What are the sources of HIV infection and causes of AIDS. Suggest precautions to be taken to avoid AIDS.	CO2	<b>10</b>
	c.			
	d.			
	e.			

ALL THE BEST