FE/sem I/CBCGS/Ennommental studies- /02-01-2017

(2 Hours)



1.

3.

production.

Q.P. Code: 803601

[Total Marks: 60

N.B.: (1) Question No.1 is compulsory.	
(2) Attempt any three question from Q.2 to Q.6.	
(3) Draw neat labelled diagram wherever applicable.	
(4) Figure to right indicate full marks.	
	15
What is sustainable development? Why there is need for sustainable development?	
Differentiate between: Renewable and Non-renewable sources of energy.	
What are the causes and effects of E-pollution?	
Write important functions of Central Pollution Control Board (CPCB).	
Explain concept of Carbon Credit.	
What is Nuclear pollution? What are its sources and effects?	
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Explain Social and Economic aspects of sustainable development.	5
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is generated.	
What is solid waste? Explain solid waste management by incineration.	5
	5
	5
2013.	
Explain global environmental crisis pertaining to population	E
	5
	(2) Attempt any three question from Q.2 to Q.6. (3) Draw neat labelled diagram wherever applicable. (4) Figure to right indicate full marks. Attempt any five from following:- What is sustainable development? Why there is need for sustainable development? Differentiate between: Renewable and Non-renewable sources of energy. What are the causes and effects of E-pollution? Write important functions of Central Pollution Control Board (CPCB). Explain concept of Carbon Credit. What is Nuclear pollution? What are its sources and effects? What is Ecological Sucession? Explain Social and Economic aspects of sustainable development. Draw a neat labelled diagram of Electrostatic Precipitator and explain how it is useful to control gaseous particulate emissions? What is Hydropower? Draw a suitable diagram and explain how hydropower is generated. What is solid waste? Explain solid waste management by incineration. Write important functions and powers of State Pollution Control Board. Write a case study on Cloudburst and Landslides at Kedarnath in June

Draw a neat diagram of wind turbine and explain how it helps in energy 5

5.	a)	Explain how resource utilization as per carrying capacity is an important control measure for sustainable development.	5
	b)		5
	c)	Draw a schematic and explain principle and working of photovoltaic cells.	5
6.	a)	Explain the causes and effects of depletion of natural water resources.	5
	b)	Write a note on industrial waste water treatment.	5
	c)	What is Disaster Management? Explain how techniques of disaster management are implemented in the event of earthquake.	5