

Code No: R09220104

**R09**

**Set No. 2**

**II B.Tech II Semester Examinations, APRIL 2011**

**ENVIRONMENTAL STUDIES**

**Common to CE, BME, IT, MECT, BT, AME, ICE, E.COMP.E, MMT,  
EIE, CSE**

**Time: 3 hours**

**Max Marks: 75**

**Answer any FIVE Questions  
All Questions carry equal marks**

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1. Explain about hydrological cycle with diagram? [15]
2. Explain how the occurrences of EL NINO events affects global climate? [15]
3. Give the list of environment EIA methods? [15]
4. What are the threats to sustainability? [15]
5. What are the current requirement that should be met before declaring an area in to a wide life sanctuary or a national park under the forest acts? [15]
6. What are the toxic metals and different sources of toxic metals in the waste water? [15]
7. Write the advantages and disadvantages of surface and subsurface mining? [15]
8. What will be the best way to feed the world in the next 100 years? [15]

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**R09**

**Set No. 4**

**II B.Tech II Semester Examinations, APRIL 2011**

**ENVIRONMENTAL STUDIES**

**Common to CE, BME, IT, MECT, BT, AME, ICE, E.COMP.E, MMT,  
EIE, CSE**

**Time: 3 hours**

**Max Marks: 75**

**Answer any FIVE Questions  
All Questions carry equal marks**

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1. Explain the sea level raise because of global warming? [15]
2. Explain about biofuels? [15]
3. Write about the pollutants? [15]
4. Explain about consumptive value of biodiversity? [15]
5. Explain about the pyramid of energy in forest ecosystem? [15]
6. Explain about rain water harvesting with diagrams? [15]
7. Explain about green building rating system world wide? [15]
8. What are the functions of central board under the Air act? [15]

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**R09**

**Set No. 1**

**II B.Tech II Semester Examinations, APRIL 2011**

**ENVIRONMENTAL STUDIES**

**Common to CE, BME, IT, MECT, BT, AME, ICE, E.COMP.E, MMT,  
EIE, CSE**

**Time: 3 hours**

**Max Marks: 75**

**Answer any FIVE Questions  
All Questions carry equal marks**

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1. Explain about potassium cycle with diagram? [15]
2. Explain about draft and final environmental impact statements? [15]
3. Explain about soil degradation? [15]
4. Write about the different causes for coastal pollution? [15]
5. Is pollution of land / soil covered under environmental protection act? What are the requirements that are to fulfilled under the E.P.A by persons carrying on any industry, operation etc? [15]
6. Explain about the climate change and its causes? [15]
7. What will happen to the total biodiversity if the grizzly bear becomes extinct? [15]
8. Explain the phenomenon of salt water intrusion? [15]

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**R09**

**Set No. 3**

**II B.Tech II Semester Examinations, APRIL 2011**

**ENVIRONMENTAL STUDIES**

**Common to CE, BME, IT, MECT, BT, AME, ICE, E.COMP.E, MMT,  
EIE, CSE**

**Time: 3 hours**

**Max Marks: 75**

**Answer any FIVE Questions  
All Questions carry equal marks**

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1. Write about the industrial solid waste characteristics? [15]
2. Write about subsurface mining? [15]
3. (a) Write the definition of EIA?  
(b) Explain the scope of EIA? [15]
4. How is the water pollution defined under the water act 1947? [15]
5. Why do introduced species often become pests? [15]
6. How the economic development and population regulation can lead to sustainable development? [15]
7. Give examples for food chains? [15]
8. How human activity has resulted in increased emissions of green house gases? [15]

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