



Q. P. CODE: D07PES05

(For candidates admitted from 2007 onwards)

**M. Sc. Degree Examinations, December-2009**

**Environmental Science**

**Second Year**

**MANAGEMENT OF ENERGY RESOURCES**

**Time: 3 Hours**

**Maximum: 100 Marks**

**Answer any FIVE questions (5 x 20 = marks)**

**All questions carry equal marks**

1. Describe the laws of thermodynamics
2. Write a note on wind energy with examples from kayathar and Muppanthal
3. Describe the composition of petroleum and their uses
4. Write an account on pyrolysis
5. Describe the method of aerobic biogasification
6. What are the environmental impacts of oil refineries?
7. Write a note on photochemical smog and ozone
8. Write a note on radiation heat transfer.

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**Q. P. CODE: D07PES06**

(For candidates admitted from 2007 onwards)

**M. Sc. Degree Examinations, December-2009**

**Environmental Science**

**Second Year**

**NATURAL RESOURCES AND CONSERVATION**

**Time: 3 Hours**

**Maximum: 100 Marks**

**Answer any FIVE questions (5 x 20 = marks)**

**All questions carry equal marks**

1. Describe the type of vegetation in a tropical rainforest biome
2. What are the methods of water resource management?
3. Write a note on the protected wilderness in south India
4. Categorise the mineral resources available on earth and the beneficial uses to man-kind
5. Write elaborately on endangered species
6. What are the constituents of atmosphere? Explain?
7. What is germ plasm? Why should we conserve?
8. Write a note on the functions and values of freshwater wetlands

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**Q. P. CODE: D07PES07**

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**M. Sc. Degree Examinations, December-2009**



**Environmental Science**

**Second Year**

**ENVIRONMENTAL ENGINEERING**

**Time: 3 Hours**

**Maximum: 100 Marks**

**Answer any FIVE questions (5 x 20 = marks)  
All questions carry equal marks**

1. Describe the process of plain sedimentation in water treatment plant
2. Write an account on oxidation process
3. What are the physical methods in hazardous waste treatment technologies
4. Write a note on waste in cineration
5. Write an account on air pollution affecting the meteorological parameters
6. Describe the indoor air quality models
7. What are the methods in water softening systems
8. Describe the design of tickling filters

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Q. P. CODE: D07PES08

(For candidates admitted from 2007 onwards)

**M. Sc. Degree Examinations, December-2009**

**Environmental Science**

Second Year

**ENVIRONMENTAL IMPACT ASSESSMENT**

**Time: 3 Hours**

**Maximum: 100 Marks**

**Answer any FIVE questions (5 x 20 = marks)**

**All questions carry equal marks**

1. Describe briefly on the overview of socio-economic impacts in decision making of Environmental projects
2. What are the methods in assessing rivers in hydroelectric project?
3. Write a note on the role of artificial neural network in water quality assessment
4. What are the EIA methods in power plant establishment
5. Write a note on coastal zone Regulation Notification 1991
6. How the EIA processes evolved in India?
7. Write a note on the carrying capacity of an ecosystem
8. Write an account on the water services rendered by river ecosystem

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