

Reg. No. :

D 1146

Q.P. Code : [D 07 PES 05]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, DECEMBER 2013.

Second Year

Environmental Science

MANAGEMENT OF ENERGY RESOURCES

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. Explain the first and second law of thermodynamics.
2. What is entropy? Explain.
3. Write a note on geothermal energy.
4. Write a note on the origin of petroleum resources.
5. What are the impacts of radio active wastes on environment and man.

6. Write a note on biodiesel.
 7. Explain the anerobic bio gasification.
 8. Give an account on solar energy.
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Reg. No. :

D 1147

Q.P. Code : [D 07 PES 06]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, DECEMBER 2013.

Second Year

Environmental Sciences

NATURAL RESOURCES AND CONSERVATION

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. Write an account on the effects of atmospheric constituents on the biosphere.
2. List the importance of water as a major resource. Give a case study for water management.
3. Explain the soil problems, conservation and regeneration methods.
4. Enumerate some innovative measures to conserve water resources.

5. Give an account on non renewable resources. Discuss the methods of conservation and substitution.
 6. Write an account on endangered and extinct species in India.
 7. Describe the importance of Wildlife conservation and Management.
 8. Biodiversity Conservation- Discuss.
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Reg. No. :

D 1148

Q.P. Code : [D 07 PES 07]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, DECEMBER 2013.

Second Year

Environmental Science

ENVIRONMENTAL ENGINEERING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. Write an account on Principle and design of sedimentation tank.
2. Give an account on water softening and ion exchange process.
3. Disinfection of water- Explain.
4. What are the principle involved in biological waste water treatment.
5. Describe the principles and design of screen, equalization and grit chambers.

6. Write an account on anaerobic digestion and design principles.
 7. Give a brief account on activated sludge and oxidation ditch.
 8. Discuss the various air pollution control equipment.
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Reg. No. :

D 1149

Q.P. Code : [D 07 PES 08]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, DECEMBER 2013.

Second Year

Environmental Science

ENVIRONMENTAL IMPACT ASSESSMENT

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. Give the methods involved in EIA report preparation with a case study.
2. Write an account on the EIA for ecologically sensitive areas.
3. Briefly discuss the recent approaches in EIA studies carrying capacity.
4. Explain the methods of assessment of soil micro flora, fauna and unique habitats.

5. List some case studies of EIA in hydro electrical project.
 6. Concept of welfare economics – Discuss.
 7. Describe in detail on the Environmental Impact Assessment Notification 1994.
 8. Document your views on Pollution as an Economical problem.
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