

References

Reg. No. :

D 2157

Q.P. Code : [D 07 PES 01]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, MAY 2013.

First Year

Environmental Science

WATER POLLUTION AND MANAGEMENT

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. Describe the water borne diseases.
2. What are the different sources of water pollution? Explain.
3. What is reverse osmosis? Explain with example.
4. Write a note on water shed management in forested areas.
5. Explain water cess act 1977.

6. How will you value wetlands in water purification?
 7. Describe the aerobic and anaerobic treatment in waste water.
 8. What are the impacts of water pollution aquatic environments?
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Reg. No. :

D 2189

Q.P. Code : [D 07 PES 02]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, MAY 2013.

First Year

Environmental Science

AIR POLLUTION AND MANAGEMENT

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. Give a brief account on the composition and structure of the atmosphere.
2. Briefly discuss the sources and classification of air pollutants. Discuss the effects of air pollutants on human health and vegetation.
3. What are methods involved in the control of Gaseous Emissions?
4. Briefly describe the air pollution monitoring methods and related standards.

5. Discuss elaborately on radiation emission.
 6. Describe the various methods to estimate atmospheric dispersion.
 7. Noise Pollution- Elaborately discuss the sources, its effects, assessment and control methods.
 8. Write an account on
 - (a) Air pollution and Control of Pollution Act 1981
 - (b) Motor vehicle Act 1988.
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D 2158

Q.P. Code : [D 07 PES 03]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, MAY 2013.

First Year

Environmental Science

**SOIL POLLUTION AND SOLID WASTE
MANAGEMENT**

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. Describe the soil profile in a arid environment.
2. What are the sources of soil pollution? Explain with examples.
3. What are the hazardous wastes? Explain.
4. Describe various methods of vermi composting.
5. Write a note on the manufacture, storage and Import of hazardous chemicals rule, 1989.

6. How the land fill affect the water shed management in urban environment.
 7. What are the impacts of fertilizers and pesticides on soil quality?
 8. What are the methods involved in hazardous waste removal?
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Reg. No. :

D 2159

Q.P. Code : [D 07 PES 04]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, MAY 2013.

First Year

Environmental Science

INSTRUMENTAL METHODS OF ANALYSIS

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. Write a note on the basic principle of electrophoresis.
2. Explain electromagnetic radiation spectrophotometry.
3. Write a note AAS and its principle.
4. Write a note on Potentiometry.
5. Give an account on Multiple Regression.

6. What is the technique for mass measurement?
 7. Explain the methods of the analysis of particulate matter.
 8. Write a note on X-Ray fluorescence.
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