

Reg. No. :

D 2516

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

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, JUNE 2008.

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. Enumerate the effects of water pollution on aquatic system.
2. Write an essay on wastewater treatment.
3. Write an account on water prevention and control of Pollution Act 1974.
4. How will you make the polluted water into a potable water?

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5. Explain the activated sludge process of wastewater treatment.
 6. Write an essay on watershed management.
 7. Enumerate the health effects of water pollution.
 8. Write an account on the physico chemical properties of water.
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Reg. No. :

D 2517

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

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, JUNE 2008.

First Year

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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 an essay on principle, procedure and applications of NMR.
2. Write an essay on principle, procedure, and applications of HPLC.
3. Write an essay on principle, procedure and applications of AAS.
4. Are turbidity and conductivity related? Explain with suitable examples.

5. Describe the different types of 't' tests and specify where they are applicable.
 6. Explain the principles and applications of Laser excitation.
 7. What are the principles and applications of ion selective electrode?
 8. Explain the role of ANOVA in environmental research.
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Reg. No. :

D 2781

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

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, JUNE 2008.

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. Describe the earth's troposphere and stratosphere.
2. What are the major types of air pollution?
3. Describe the photochemical and industrial smog.
4. Write a note on acid deposition in soil and water.
5. What are the effects of air pollution on living organism?

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6. What are the methods available for the control of gas emission?
 7. Distinguish primary and secondary air pollution with examples.
 8. Describe in detail the Air Pollution Act 1981.
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Reg. No. :

D 2782

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

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, JUNE 2008.

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. What are the macro and micro nutrients in soil?
2. What are the agrochemicals which pollute the watersheds?
3. What is a hazardous waste and write a note on the management?
4. Explain the methods of recycling municipal solid wastes.

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