



ROLL NO:

PRESIDENCY UNIVERSITY, BENGALURU
SCHOOL OF ENGINEERING

Weightage: 20 %

Max Marks: 40

Max Time: 1 hr.

Monday, 24th September, 2018

TEST – 1

Odd Semester 2018-19

Course: **CIV 102 Environmental Science and Disaster Management** | Sem. Chemistry Cycle

Instruction:

- (i) Read the question properly and answer accordingly.
 - (ii) Question paper consists of 3 parts.
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Part A

(3 Q x 4 M = 12 Marks)

1. Define natural resources and mention their kinds with two examples.
2. Define dam and write any four benefits of dam.
3. What are water logging and soil salinity? Give one reason each.

Part B

(2 Q x 8 M = 16 Marks)

4. Write definition and concept of environment with figure.
5. Explain types and any four major impacts of mining.

Part C

(1Q x 12 M = 12 Marks)

6. Discuss classification and impacts of timber extraction.

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**PRESIDENCY UNIVERSITY,
BENGALURU**

SCHOOL OF ENGINEERING

TEST 2

Odd Semester: 2018-19

Date: 27 November 2018

Course Code: CIV 102

Time: 1 Hour

Course Name: Environmental Science and Disaster Management

Max Marks: 40

Branch & Sem: Chemistry Cycle & I Sem

Weightage: 20%

Instruction:

(i) *Answer all the questions.*

Part A

Answer **all** the Questions. Each question carries **four** marks. (3x4=12)

1. Explain the terms In-situ and Ex-Situ conservation.
2. Define Ecology and Ecosystem.
3. What is Biodiversity? What are Biodiversity Hotspots?

Part B

Answer **all** the Questions. Each question carries **eight** marks. (2x8=16)

4. Explain what is a Food Chain and a Food Web with one example each.
5. Mention and briefly discuss the five stages of Ecological Succession.

Part C

Answer the Question. Question carries **twelve** marks. (1x12=12)

6. Define the following terms

- | | |
|------------------------|------------------------|
| (a) Estuary | (d) Ecological Pyramid |
| (b) Extinct Species | (e) Biomass |
| (c) Endangered Species | (f) Vulnerable Species |



Roll No.

**PRESIDENCY UNIVERSITY
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SCHOOL OF ENGINEERING

SET B

END TERM FINAL EXAMINATION

Odd Semester: 2018-19

Date: 12 January 2019

Course Code: CIV 102

Time: 2 Hours

Course Name: Environmental Science and Disaster Management

Max Marks: 80

Programme & Sem: B. Tech (Chemistry Cycle) & I Sem

Weightage: 40%

Instructions:

- (i) Read the question properly and answer accordingly.
- (ii) Question paper consists of 3 parts.

Part A

Answer **all** the Questions. **Each** question carries **five** marks. (4Qx5M=20)

1. Define air pollution? Write substances which cause air pollution with examples.
2. Define sustainable development? Explain the key elements of sustainability.
3. What is EIA? Write major steps of EIA process.
4. Write salient features of Environment Act 1986.

Part B

Answer **all** the Questions. **Each** question carries **ten** marks. (3Qx10M=30)

5. Explain classes/types, management and disposal methods of solid waste.
6. Explain enhanced greenhouse effects and control measures of global warming.
7. Explain any eight population characteristics.

Part C

Answer **both** the Questions. **Each** question carries **fifteen** marks. (2Qx15M=30)

8. Discuss working principle of below any two air pollution controlling devices with figure.
 - a) Cyclone separator
 - b) Bag house filter
 - c) Wet scrubber
9. Discuss occurrence, causative factors and management of below any two natural disasters.
 - a) Flood
 - b) Earthquake
 - c) Landslide



Roll No.																			
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**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF ENGINEERING

SET A

END TERM FINAL EXAMINATION

Odd Semester: 2018-19

Date: 12 January 2019

Course Code: CIV 102

Time: 2 Hours

Course Name: Environmental Science and Disaster Management

Max Marks: 80

Programme & Sem: B. Tech (Chemistry Cycle) & I Sem

Weightage: 40%

Instructions:

- (i) Answer all the questions.

Part A

Answer **all** the Questions. **Each** question carries **five** marks. (4Qx5M=20)

1. Explain classification of air pollutants with two examples each.
2. What is flood? Mention the four types of flood.
3. Discuss the Three "R"s for Solid Waste Management.
4. Define Sustainability. Mention the three elements of sustainability.

Part B

Answer **all** the Questions. **Each** question carries **ten** marks. (3Qx10M=30)

5. What is Rain Water Harvesting? Mention six objectives of Rain Water Harvesting.
6. Write any ten measures to check global warming.
7. Discuss any five population characteristics.

Part C

Answer **both** the Questions. **Each** question carries **fifteen** marks. (2Qx15M=30)

8. Describe the working of Cyclone Separator, Bag House Filter and Electrostatic Precipitator with neat sketches.
9. Discuss objectives of any three environmental protection and preservation acts in India.