



Roll No.

**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF ENGINEERING

TEST - 1

Even Semester: 2018-19

Course Code: CIV 102

Course Name: Environmental Science and Disaster Management

Programme & Sem: B.Tech (Chemistry cycle) & II Sem

Date: 05 March 2019

Time: 1 Hour

Max Marks: 40

Weightage: 20%

Instruction:

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

Part A

Answer **all** the Questions. **Each** question carries **four** marks. (3Qx4M=12M)

1. Write the causes of deforestation.
2. Define: a) Food Chain b) Photo autotrophs.
3. List any four scope of environmental science.

Part B

Answer **all** the Questions. **Each** question carries **eight** marks. (2Qx8M=16M)

4. Explain the impacts due to traditional and modern agriculture.
5. Describe the different types of soil erosion caused by climatic agents.

Part C

Answer the Question. Question carries **twelve** marks. (1Qx12M=12M)

6. Define ecological succession and explain its process.



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SCHOOL OF ENGINEERING

TEST - 2

Even Semester: 2018-19

Course Code: CIV 102

Course Name: Environmental Science & Disaster Management

Program & Sem: B.Tech & II Sem (Chemistry Cycle)

Date: 16 April 2019

Time: 1 Hour

Max Marks: 40

Weightage: 20%

Instructions:

- (i) Read the question properly and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and Non-programmable calculators are permitted.

Part A

Answer **all** the Questions. **Each** question carries **four** marks. (3Qx4M=12)

1. Define: a) Biome b) Biodiversity hotspot
2. Differentiate between endangered and extinct species.
3. What are the major indoor air pollutants?

Part B

Answer **both** the Questions. **Each** question carries **eight** marks. (2Qx8M=16)

4. What are the major reasons for man-animal conflict and what are the remedial measures taken to curb these conflicts?
5. What are the effects of air pollution on human health and plants?

Part C

Answer the Question. The Question carries **twelve** marks. (1Qx12M=12)

6. Briefly explain about:
 - a) sources of water pollution
 - b) measures to control water pollution



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**PRESIDENCY UNIVERSITY
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SCHOOL OF ENGINEERING

END TERM FINAL EXAMINATION

Even Semester: 2018-19

Course Code: CIV 102

Course Name: Environmental Science and Disaster management

Program & Sem: B.Tech & II Sem (Chemistry cycle)

Date: 23 May 2019

Time: 3 Hours

Max Marks: 80

Weightage: 40%

Instructions:

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

Part A

Answer **all** the Multiple choice Questions. **Each** question carries **one** mark. (20Qx1M=20M)

1.

- i. The science that deals with the relationship of various organisms with their environment is known as
 - a) Economics
 - b) Ecology
 - c) Geography
 - d) Zoology
- ii. The term 'Environment' has been derived from the _____ word, _____ which means to _____.
 - a) Greek, Oikos, Go- around
 - b) French, Environ, Encircle
 - c) Latin, Logos, Semi-circle
 - d) Spanish, La Economia, Run- around
- iii. The perfect equilibrium existing in the biosphere between the various organisms is known as
 - a) Environmental Balance
 - b) Ecological Cycle
 - c) Ecological Balance
 - d) None of these.
- iv. Primary cause of Acid Rain around the world is due to
 - a) Oxides of Nitrogen
 - b) Sulphur dioxide
 - c) Oxygen
 - d) Both a) & b).
- v. Which of the following is a Non- renewable resource
 - a) Coal
 - b) Forests
 - c) Water
 - d) Wildlife
- vi. Physical pollution of water is due to
 - a) Dissolved Oxygen
 - b) Turbidity
 - c) pH
 - d) None of these
- vii. BOD is
 - a) Biochemical oxygen demand
 - b) a measure of organic matter present in water
 - c) Usually less than COD
 - d) all the above
- viii. Which of the following resources are in-exhaustible?
 - a) Fossil Fuel
 - b) Solar
 - c) Mineral
 - d) Coal
- ix. Deforestation is majorly caused by
 - a) Mining
 - b) Overgrazing
 - c) Dam building
 - d) All of these
- x. D.D.T is
 - a) Pesticide
 - b) Coagulant
 - c) Fertilizer
 - d) Disinfectant
- xi. Air pollution from automobiles can be controlled by fitting
 - a) Electrostatic Precipitator
 - b) Wet Scrubber
 - c) Catalytic Converter
 - d) All of the above
- xii. Common energy source in Indian villages is
 - a) Electricity
 - b) Coal
 - c) Sun
 - d) Wood and animal dung

- xiii. Largest reservoir of Nitrogen exists in
 a) Hydrosphere b) Atmosphere c) Lithosphere d) Stratosphere
- xiv. Excess nitrates in drinking water is likely to cause
 a) Fluorosis b) Minamata c) Blue babies d) None of these
- xv. Nitrogen fixing bacteria exists in _____ of plants.
 a) Leaf b) Stem c) Flower d) Roots
- xvi. E.I.A can be expanded as
 a) Environment & Industrial Act
 b) Environment & Impact Activities
 c) Environmentally Important Activity
 d) Environmental Impact Assessment
- xvii. 'Earth Day' is held every year on
 a) April 22nd b) November 23rd c) June 5th d) January 26th
- xviii. Eutrophication is
 a) An improved quality of water in lakes
 b) The result to accumulation of plant nutrient in water bodies
 c) A process in carbon cycle
 d) A water purification technique
- xix. Carbon content is higher in
 a) soil b) atmosphere c) living matter d) water
- xx. A food web consists of
 a) portion of a food chain b) producers, consumers and decomposers
 c) a set of similar consumers d) interlocking of food chains

Part B

Answer **all** the Questions. **Each** question carries **six** marks.

(5Qx6M=30M)

2. Write the objectives of rain water harvesting.
3. What are the benefits of EIA.
4. Explain how to reduce the irrigation losses for water conservation.
5. Discuss the salient features environmental protection act 1986.
6. Explain the effects of ozone layer depletion.

Part C

Answer **all** the Questions. **Each** question carries **ten** marks.

(3Qx10M=30M)

7. Explain any five population characteristics.
8. Write any ten measures to check global warming.
9. Explain effects and control measures for acid rain.



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SUMMER TERM/MAKE UP END TERM EXAMINATION

Semester: Summer Term 2019

Date: 26 July 2019

Course Code: CIV 102

Time: 3 Hours

Course Name: Environmental Science and Disaster Management

Max Marks: 80

Program & Sem: B Tech & II Sem (EVEN) (2018 Batch)

Weightage: 40%

Instructions:

- (i) **Question paper consists of three parts**
- (ii) **Answer all questions**

Part A

Answer **all** the Questions. **Each** question carries **two** marks.

(10Qx2M=20M)

1. The volume of fresh water used to produce the item, taking into account the volume of water consumed and polluted in different steps is known as -----
2. The process of separating the impurities from the metal in the ore is known as -----
3. The type of cropping technology in which crops are planted in between rows of trees/shrubs is known as -----
4. The type of consumers that feed on the dead parts of organisms are called -----
5. The process of removing nitrogen from the ecosystem and converting it back to atmospheric nitrogen is known as -----
6. The concept of meeting the needs of the present generation without compromising the needs of the future generations is known as -----
7. Atmospheric ozone is measured using -----
8. The average number of children that would be born to a woman in her lifetime if the age specific birth rates remain constant is -----
9. When birth plus immigration is equal to death plus emigration, it is called -----
10. Name any four greenhouse gases.

Part B

Answer **all** the Questions. **Each** question carries **six** marks.

(5Qx6M=30M)

11. Give objectives of rainwater harvesting
12. What is acid rain? How does it occur?
13. Explain any two age structures.
14. Write benefits of ISO 9001 and ISO 14001
15. List the environmental acts of India. How did they come into existence?

Part C

Answer **all** the Questions. **Each** question carries **ten** marks.

(3Qx10M=30M)

16. Explain the following population characteristics

- a) Linear and exponential growth
- b) Replacement level
- c) Life expectancy
- d) Zero population growth
- e) Demographic transition

17. Define EIA and explain its benefits. Also list the various steps involved in EIA.

18. Discuss strategies for water conservation in relevance to the following areas

- a) Decreasing run off losses
- b) Reducing irrigation losses
- c) Reducing evaporation losses