

3RD SEM./ COMMON TO ALL /2023(W) NEW

Th-5 Environmental Studies

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer All questions 2 x 10
 - a. Write down two effects of deforestation.
 - b. Differentiate between renewable and non-renewable energy sources.
 - c. Write down two effects of modern agriculture methods on environment.
 - d. Define decomposers in eco system.
 - e. What are the types of biodiversity?
 - f. Define ozone layer depletion.
 - g. Write down two causes of air pollution in urban areas.
 - h. What is endangered species?
 - i. Explain 3'R's in waste management.
 - j. What are the various objectives of family welfare programme?
2. Answer Any Six Questions 6 x 5
 - a. Discuss how urbanisation affects environment.
 - b. Give a brief description of man wild life conflict.
 - c. What are the methods protecting soil from erosion.
 - d. Define rainwater harvesting? State main objective of rain water harvesting?
 - e. Discuss how marine pollution affects aquatic animals.
 - f. Write down the role of an individual protecting environment.
 - g. Write about the disaster management procedures during cyclone.
- Answer Any Three Questions**
3. Define dam. Discuss the environmental and social impacts during construction of dam. 10
4. Define bio diversity and explain about bio geographical classifications in India. 10
5. Describe pond eco-system. 10
6. Write down the cause, effect and control of water pollution. 10
7. Write short notes on 10
 - a. Value of education
 - b. Solid waste management

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Answer any five Questions including Q No.1 & 2
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1. Answer All questions 2 x 10
 - a. Define natural resources.
 - b. Write down two examples of non-renewable resources.
 - c. Define soil erosion.
 - d. Define producers in eco system.
 - e. What is bio diversity?
 - f. What do you mean by poaching of wild life?
 - g. What is the unit of sound intensity?
 - h. What is endangered species.
 - i. Define greenhouse effect.
 - j. What are the various objectives of family welfare programme.

2. Answer Any Six Questions 6 x 5
 - a. What are the environmental effects of mining?
 - b. Give a brief description of man wild life conflict.
 - c. What are the effects of acid rain.
 - d. Define rainwater harvesting? State the objective of rain water harvesting?
 - e. Describe about Bio gas plant.
 - f. Write down the role of an individual protecting environment.
 - g. What are the effects of modern agriculture?

3. Define Global warming, write down the causes and effect of global warming. 10
4. Explain sources of solid waste and solid waste management. 10
5. Describe aquatic ecosystem. 10
6. Write down the effect, prevention and control of noise pollution. 10
7. Write short notes on 10
 - a. Pyramid of energy
 - b. Green house effect

3rd Sem. Common 2021(W)

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|----|----------------------------------------------------------------------------|--------|
| 1. | Answer All questions | 2 x 10 |
| a. | Define acid rain. | |
| b. | What is ecological succession? | |
| c. | What do you mean by soil erosion? | |
| d. | Define genetics and species. | |
| e. | Mention any two causes of marine pollution. | |
| f. | Define environment. | |
| g. | What is mortality? | |
| h. | What do you mean by sustainable development? | |
| i. | What leads to conflicts over water? | |
| j. | Define water pollution. | |
| 2. | Answer Any Six Questions | 6 x 5 |
| a. | Define and explain food chain with at least one example. | |
| b. | Explain the changes caused by modern agriculture. | |
| c. | Explain Biodiversity at National level. | |
| d. | Give a brief note on ozone layer depletion along with its consequences. | |
| e. | Discuss in brief 'Human Rights'. | |
| f. | Discuss the needs of public awareness towards environment. | |
| g. | Explain cyclone disaster management. | |
| 3 | Explain the effects of mine extraction on environment and tribal people. | 10 |
| 4 | Explain different threats to biodiversity. | 10 |
| 5 | Describe forest ecosystem. | 10 |
| 6 | Write down the causes, effects and controlling measures of soil pollution. | 10 |
| 7 | a Urban problems related to energy. | 5 |
| | b Family welfare program. | 5 |

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**Answer any five Questions including Q No.1& 2
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1. Answer All questions. 2 x 10
 - a. Define ecosystem.
 - b. What do you mean by option values?
 - c. What is noise pollution?
 - d. What do you mean by sustainable development?
 - e. What is population explosion?
 - f. Define non-renewable natural resources with a suitable example.
 - g. Define food chain.
 - h. What are genetics and species?
 - i. What do you mean by water salinity?
 - j. What is soil erosion?
2. Answer Any Six Questions 5 x 6
 - a. Explain in brief man-wildlife conflicts.
 - b. Explain some measures of controlling thermal pollution.
 - c. Write down a short note on changes caused by agriculture.
 - d. What is the need of public awareness for the environment?
 - e. Define and explain food web with suitable examples.
 - f. Explain pond ecosystem.
 - g. Explain the effects of construction of dams on tribal people.

Answer Any Three Questions
3. (a) What is air pollution? What are the various sources of air pollution? 5
(b) Explain the effects of extraction of minerals on the environment. 5
4. (a) Define and explain rainwater harvesting. 5
(b) Write down a short note on ozone layer depletion. 5
5. (a) Explain the need and benefits of family welfare program. 5
(b) What are human rights? 5
6. (a) Explain the role of individual in prevention of pollution. 5
(b) Explain flood disaster management. 5
7. (a) Explain energy flow in an ecosystem. 5
(b) Explain the need and use of alternative energy sources. 5

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