

IMBA (IIS) Sem.-5 Examination
Environmental Management
December-2024

Time : 2-30 Hours]

[Max. Marks : 70

Instructions:

1. *The figures on right hand side indicate marks. From question 1 to 4, each of the sub question given in "OR" option, is of 7 marks.*
2. *In Question No. 5, attempt only 14 questions out of the 16 mentioned.*
3. *Use of calculators is NOT allowed*

Question 1

- i. Worsening air quality from road networks is a serious concern. What kind of measures are being taken to reduce the air pollution linked with roads. **14 marks**
OR
- i. Why did four different generations of biofuels came into picture? How biofuels are beneficial in curbing air pollution? **7 marks**
- ii. What is the greenhouse effect? Is it a natural process? If yes, why is it a global concern nowadays? **7 marks**

Question 2

- i. Explain the availability of freshwater and saline water on Earth. As Earth is also called as "Blue planet", why is water a precious resource? Elaborate on the types of water pollution. Which amongst them is most dangerous for human health? **14 marks**
OR
- i. Write a note on "Namami Ganga Program". What are the loopholes in the program, and how the loopholes in the program can be addressed. **7 marks**
- ii. Which parameter is used to measure water pollution? Discuss its importance, and how for various industries it varies? **7 marks**

Question 3

- i. Define soil, soil pollution and sources of soil pollution. Explain how air pollution, water pollution and soil pollution are interlinked? **14 marks**
OR
- i. Why do you think it is important to control soil erosion? Give examples for control methods. **7 marks**
- ii. What are the problems associated with land from environmental management perspective. Mention ways to manage them. **7 marks**

Question 4

- i. Why do you think Environmental management is not considered an individual responsibility in Indian scenario, despite its inclusion in education system and despite several initiatives of organizations and governments? Provide solutions for the same. **14 marks**

OR

- i. Explain "Mission LiFE" of government of India. **7 marks**
 ii. Give examples of nature-based solutions for three specific environmental problems in India. **7 marks**

Question 5**14 marks***Attempt any fourteen out of sixteen questions mentioned below:*

1. Waterproof Lotus leaf has several nano protrusions which are coated with nano materials.

i. Hydrophobic	ii. Hydrophilic
iii. Hygrophobic	iv. Hygrophilic
2. Dissolve oxygen will be higher in which case?

i. Lotic water body > Lentic water body	ii. Lentic waterbody > Lotic water body
iii. Eutrophic lake > Normal lake	iv. Ocean > River
3. Greenhouse effect, which is a boon for Earth, has become bane now because of which of the following?

a. Vehicular emissions	2. b, c, d only
b. Solid waste dumping	3. a, c, e only
c. Livestock	4. a, b, c, d only
d. Marine dumping in oceans	
e. Deforestation	
1. a, b, c only	
3. a, c, e only	
5. a, b, c, d, e	
4. 2nd generation biofuel is better than first generation because
5. What is global warming?
6. What is marine dumping?
7. What is Eutrophication?
8. What is algal bloom?
9. Why is the water footprint of rice higher than that of wheat?
10. Expand "FAME" in relation with air pollution management.
11. Which of the following shades of color usually have a higher water footprint, light pink, or dark pink?
12. In E10 fuel, E stands for
13. Sulphur dioxide is a greenhouse gas. State true or false.
14. Chernobyl disaster took place in which country?
15. City is called as "Dollar city" of India.
16. Whether water is a greenhouse gas or not?