

Environmental Sciences

Class 11th

Max. Marks: 70

Time Allotted:-3 Hours

Long Answer Type Questions (5 marks each)

(To be answered in not more than 150 words)

Q1. What are biogeochemical cycles? Discuss phosphorus cycle.

Or

Give an account of Indian Classification of soils

Q2. What are ecological interactions? Elaborate on any two +ve interactions.

Or

What is competition? What are its types? Discuss interspecific competition.

Q3. What are large farm units? How do they damage environment

Or

What are fertilizers? What are its different types?

Q4. What are important aspects of crop improvement? Discuss Hybridisation or tissue culture in detail.

Or

What is sustainable agriculture? What are its different techniques?

Short Answer Type

(03 marks)

(To be answered in not more than 75 words)

Q5. Write a note on photo chemical smog.

Q6. Define Ecology and its types.

Q7. Write a short note on ammensalism.

Q8. What are ecological foot prints?

Q9. Write three impacts of over population.

Q10. Define noise. What are the effects of noise?

Q11. Write a short note on rain water harvesting.

Q12. Elaborate on the concept of organic farming.

(Very short answer type)

(To be answered in not more than 30 words)

Q13. Define environment and its types.

Q14. Give brief concept of threatened species as per IWCA

Q15. Name three endangered or three endemic species of J&K (Flora or Fauna)

Q16. Define atmosphere. What is its composition?

Q17. Write a brief note on desertification.

Q18. Write a brief note on water impounding.

Q19. What is 3-R in waste management?

Q20. What is Green revolution?

(Objective /Multiple Choice)

(01 each)

Q21. i) Transfer of food from one trophic level to another is called

- a) Food Chain b) Food web c) Both A& B d) None of these

ii) Humus is found in which layer of soil

- a) O b) A c) B d) None

iii) Competition between organisms of same species is called _____

iv) Organisms which change their body temperature with temperature of its surroundings are called as _____

v) The unit of noise is

- a) Decibel b) Dobson c) Hertz d) All

vi) Harmful ultraviolet radiations are blocked in which type of atmosphere.

- a) Troposphere b) Stratosphere c) Ionosphere d) All

vii) Mulching is a soil conservation technique T/F

viii) Expand DDT

ix) Liquid nitrogen is used in cryopreservation T/F

x) Which of the following is a Ex-situ conservation.

a) seed bank

b) gene bank

c) cryopreservation

d) All of these