

Model paper

Subject :Environmental science

*C/S*

Max.marks :70  
Time allotted :3 hours

Section A. Q.No: 1- 08 (To be answered in one word or one sentence)

01.Mark each

- Q.NO.1. The non living components comprise which type of environment.
- Q.NO.2. 10% Law of energy flow is given by.
- Q.NO.3. Full form of PAN is.
- Q.NO.4.world wetland day is celebrated on\_\_\_\_\_
- Q.NO.5. the reddish color of soil is due to presence of which element.
- Q.NO.6. list one endangered species of J&K.
- Q.NO.7. Noise is measured in what units,
- Q.NO.8.Gene bank is which type of conservation.

SECTION. B. Q.No: 09 – 18 (To be answered in 30 words).

02.Marks each

- Q.NO.9.What is cryogenic preservation.
- Q.NO.10. Name any two carbamates.
- Q.NO.11.Why plastic bags and containers should not be disposed off by burning.
- Q.NO.12. Define ecological niche.what are its different types.
- Q.NO.13. Define competition.
- Q.NO.14.elaborate on the concept of reduce in managing solid waste.
- Q.NO.15.what is terracing.
- Q.NO.16. Give a brief account of atmospheric importance.
- Q.NO.17. Define soil erosion.
- Q.NO.18.What is harmful effects of impounding water.

Or

What is open cast mining.

SECTION C. Q.No: 19 – 27 (To be answered in 40 words).

03.Marks each

Q.No: 19. what is soil conservation. Elaborate on terracing as one of the methods of conservation.

Or

Write a short note on the concept of 3R<sup>3</sup>in waste management.

**Q.No:20.**define adaptation and its types.

**Q.No:21.** Define acid rain and its types

**Q.No:22.** Distinguish between endangered and endemic species.

**Q.No:23.** What is rain water harvesting?

**Q.No:24.**write a short note on integrated pest control.

**Q.No:25.**define atmospheric pollution. What are different sources of pollution?

**Q.No:26.**importance of environmental science.

**Q.No:27.** Write a short note on ecological footprints.

**SECTION D. Q.No: 28 – 30 (To be answered in 40 words).**

05 marks each.

**Q.No:28.** Write in detail the Y-shaped energy model.

Or

What are bio-geochemical cycles? Give a detailed account of carbon cycle.

**Q.No:29.**what are positive ecological interactions. Discuss symbiosis in detail.

Or

What are negative ecological interactions? Discuss predation in detail.

**Q.No:30.**what are different sustainable agriculture techniques. Discuss mixed cropping and crop rotation in detail.

Or

Discuss conservation tillage and trickle and drip irrigation in detail