

6. Discuss why the demand for water in agriculture has increased over time. What is the role of climate change in exacerbating the water stress in India? What are some of the best management practices of Surface and sub-surface water in some states of India. (5+5+5)

[This question paper contains 4 printed pages.]

**Your Roll No.....**

**Sr. No. of Question Paper : 1788**

**L**

Unique Paper Code : 2182011201

Name of the Paper : Water and Water Resources

Name of the Course : **B.Sc. (H) Environmental Sciences - Core (DSC-4)**

Semester : II

Duration : 2 Hours

Maximum Marks : 60

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Answer any **four** questions out of the **six** provided.
3. **All** Questions carry equal marks.

1. (a) Fill in the blanks : (1×5=5)

(i) COD stands for \_\_\_\_\_

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(ii) India has \_\_\_\_\_ Ramsar sites in 2026.

(iii) Teesta River water sharing treaty is between \_\_\_\_\_ and \_\_\_\_\_

(iv) Tehri dam is on the river \_\_\_\_\_

(v) MAR stands for \_\_\_\_\_

(b) Define and explain the following terms :

(2×5=10)

(i) Aquifers

(ii) Electrical Conductivity

(iii) Drainage Basin

(iv) Marine Resources

(v) Wetlands

2. Differentiate between the following : (3×5=15)

(i) Ramsar convention vs Montreaux Record

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(ii) Ponds vs Lakes

(iii) Acidity vs Alakanity

(iv) Indus Water Treaty vs Ganges Water Treaty

(v) Phytoplankton vs Zooplankton

3. Write short notes on the following : (3½×4= 15)

(i) Threats to Marine Ecosystem and Resources

(ii) Krishna Water Dispute

(iii) Ecological significance of Wetlands

(iv) Water act 1972

4. Discuss India's National Water Policy. How important is National River Linking plan in India's National Water Policy (15)

5. Explain the problems associated with water resource sharing problems with examples of Krishna and Kavery river disputes? (15)

P.T.O.