

U.G. 2nd Semester Examination - 2021**ENVIRONMENTAL SCIENCE****[HONOURS]****Course Code : ENVS-H-CC-L-03****(Water and Water Resources)**

Full Marks : 20

Time : 1 Hour

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*1. Answer any **five** of the following: $1 \times 5 = 5$

- What is perched water table?
- What is Montreux Record?
- Differentiate between infiltration and surface runoff.
- Define watershed.
- What is vadose zone?
- What is meant by sodium adsorption ratio of water?
- Differentiate between BOD and COD.
- What do you mean by connate water?

2. Write short notes on any **one** of the following: $5 \times 1 = 5$

- Ramsar Convention
- Teesta Water Treaty
- Artificial groundwater recharge

3. Answer any **one** of the following: $10 \times 1 = 10$

- Define palustrine wetland with example. Mention different ecological significance of wetland. Give a brief account on the restoration strategies adopted for a degraded wetland. $2+4+4$
- What do you mean by rainwater harvesting? Discuss the methods of rainwater harvesting in an urban area with proper diagram. $2+8$
- Discuss the environmental impacts of multipurpose river valley projects in India. Write the main social and environmental issues related to Tehri dam. $6+4$
