

**B.Sc. 2<sup>nd</sup> Semester (Honours) Examination, 2021**

**ENVIRONMENTAL SCIENCE**

**Course ID: 21811**

**Course Code: SH/ENV/201/C- 3**

**Course Title: Water and Water Resources**

**Time: 1 hr 15 min.**

**Full Marks: 25**

*The figures in the right hand side margin indicate full marks.  
Candidates are required to give their answers in their own words as far as practicable*

**1. Answer any five from the following questions: 1X5 = 5**

- a) Mention two inorganic constituents of potable water.
- b) What is perched water table?
- c) State two ecological significance of wetland.
- d) Mention two reasons of ground water depletion.
- e) What is DO?
- f) What is electrical conductivity?
- g) Mention two major importance of Indus water treaty.
- h) Name two activists related to Narmada Bachao Andolan.

**2. Answer any two from the following questions: 5X2 = 10**

- a) What are the major importances of rainwater harvesting in urban area?
- b) Write a brief note on Ramsar Convention 1971.
- c) What is Hydrological cycle? Describe it with suitable diagram. 1 + 4
- d) Write a short note on physical properties of drinking water.

**3. Answer any one from the following questions: 10X1 = 10**

- a) What are the major key points of water pollution (control and prevention) Act, 1972? Mention some agreements to resolve international conflicts on water sharing between India and her neighbors. 7+3
- b) Write a detail account on vertical distribution of ground water basin with suitable sketch. What are the importances of watershed management? 8+2