

2403001302020001
EXAMINATION MARCH-APRIL 2024
BACHELOR OF SCIENCE (SECOND SEMESTER) (NEP)
BIO.TECH
MINOR : WATER FOOTPRINT - LEVEL 2

[Time: As Per Schedule]

[Max. Marks: 25]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : **BACHELOR OF SCIENCE (NCF-NEP)(SECOND SEMESTER)**
 - b. Name of the Subject : **MINOR : WATER FOOTPRINT - LEVEL 2**
 - c. Subject Code No : **2403001302020001**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Attempt any five from the following:

5

- a) How many components of water footprints are there? Name them.
- b) How can reducing water usage in energy production contribute to sustainability goals?
- c) What do you understand by term green water?
- d) What is the main aim of water footprint study?
- e) How do we ensure fair distribution of water resources?
- f) What is grey water footprint?

Q.2 Answer any one of the following:

10

- a) How does the concept of water footprint contribute to our understanding of water consumption globally?
- b) What are some commonly used assessment tools for calculating water footprints? How do they differ in their methodologies?

Q.3 Answer any one of the following:

10

- a) Discuss the direct and indirect impacts of water use on aquatic and terrestrial ecosystems, and propose measures to enhance biodiversity resilience in the face of water related challenges.
- b) Identify and discuss future challenges and solutions concerning water footprint management.
