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RAN-2503001302031111

B. Sc. Biotechnology (Sem. - II) Examination April - 2025

BT-ME-201 : Water Footprint

Time: 1 Hour]

[Total Marks: 25

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

B. Sc. Biotechnology (Sem. - II)

Name of the Subject :

BT-ME-201 : Water Footprint

Subject Code No.: **2503001302031111**

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks.
(3) Draw neat and labelled diagrams wherever necessary.

Q. 1. Attempt the following questions (Any Five)

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- Define: Water Footprint
- Name the person who introduced the concept of the water footprint.
- State the main purpose of water footprint assessment.
- Define: Grey water footprint
- State the main purpose of water footprint assessment.
- Determine how improving irrigation methods could enhance fresh water conservation.

Q. 2. Attempt the following questions (Any Two)

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- Explain the concept of a water footprint. State its significance in understanding global water consumption.
- Compare different tools and methodologies used for water footprint assessment. Discuss their merits & demerits.
- Mention some key policies and regulations implemented by governments to manage water footprints.

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[P.T.O.]

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Q. 3. Explain in detail (Any Two)

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- a. Explain the water footprint of fossil fuels and nuclear power.
 - b. Justify: Water pollution from energy production affect biodiversity and ecosystem health.
 - c. Discuss on water footprint assessment tools.
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