

Seat No. **OCT-NOV 2025 WINTER EXAMINATION****1154 B.Tech. CBCS****Sub. Name: Soil and Water Conservation Techniques****Sub. Code: 81519/81796****Day and Date: Thursday ,18-12-2025****Total Marks: 70****Time: 10:30 AM To 01:00 PM**

- Instructions:**
1. All questions are compulsory
  2. Draw neat labelled diagrams wherever necessary
  3. Figures to the right indicate full marks

- Q1) Attempt all questions. [11]**  
a) What are the types of soil erosion? Explain any one.  
b) What are the factors affecting soil erosion?
- Q2) Attempt any two. [12]**  
a) Enlist classification of gullies and Explain in details.  
b) Short note - Maintenance of bunding.  
c) Illustrate bench terracing.
- Q3) Attempt any two. [12]**  
a) Explain process of stream bank erosion.  
b) What are the Objectives of river training works.  
c) Explain causes of stream bank erosion.
- Q4) Attempt all questions. [11]**  
a) Explain the importance of water harvesting.  
b) Short note - nala bund.
- Q5) Attempt any two. [12]**  
a) Explain benefits of watershed modeling.  
b) Differentiate between physically based models and empirical models.  
c) Classify watershed models based on nature of the algorithms.
- Q6) Attempt any two. [12]**  
a) Note on sources of ground water.  
b) Enlist ground water conservation techniques and explain any one in detail.  
c) Elaborate effects of ground water depletion.

**End Of Question Paper****Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -**

This Question Paper may be distributed for following Subjects as common code.

सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

- 1] (1154) B.Tech. CBCS (81519) Soil and Water Conservation Techniques Part 3 SEM 6
- 2] (101) Bachelor of Engineering (81796) Soil and Water Conservation Techniques Part 3 SEM 6

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