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MAR_APR 2026 SUMMER EXAMINATION

1154 B.Tech. CBCS

Sub. Name: Soil and Water Conservation Techniques

Sub. Code: 81519/81796

Day and Date: Thursday ,04-06-2026 **Total Marks: 70**

Time: 10:30 AM To 01:00 PM

Instructions: **1. All questions are compulsory**
2. Figures to the right indicate full marks

81696

Q1) Attempt all questions. **[11]**

a. What are the types of soil erosion? Explain any one. **[6]**

b. Elaborate principles of soil erosion. **[5]**

Q2) Attempt any Two. **[12]**

a. State principles of gully control. **[6]**

b. Explain gully control measures. **[6]**

c. Illustrate bench terracing. **[6]**

Q3) Attempt any Two. **[12]**

a. Write note on bank scour. **[6]**

b. What are the Objectives of river training works? **[6]**

c. Explain process of stream bank erosion. **[6]**

Q4) Attempt all questions. **[11]**

a. Explain water harvesting techniques in urban areas. **[6]**

b. Explain the importance of water harvesting. **[5]**

Q5) Attempt any Two. **[12]**

a. Classify watershed models based on type of storm event. **[6]**

b. Differentiate between deterministic models and stochastic models. **[6]**

c. Explain benefits of watershed modeling. **[6]**

Q6) Attempt any Two. **[12]**

a. Enlist types of aquifers and explain any one in detail. **[6]**

b. Elaborate groundwater regulations**.** **[6]**

c. Enlist ground water conservation techniques explain any one in detail. **[6]**

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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