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MAR_APR 2026 SUMMER EXAMINATION

1154 B.Tech. CBCS

Sub. Name: Environmental Engineering-II

Sub. Code: 66877/81517/81794

Day and Date: Saturday ,30-05-2026 **Total Marks: 70**

Time: 10:30 AM To 01:00 PM

Instructions:
1. **All questions are compulsory**
2. **Assume suitable data wherever necessary and mention it boldly**
3. **Draw neat labelled diagrams wherever necessary**
4. **Figures to the right indicate full marks**
5. **Use of Scientific calculator is allowed**

Q1) Attempt the following. **[11]**

a. Explain sewerage system layout with sketches of separate, combined and partially combined systems. **[6]**

b. Discuss the characteristics of industrial waste water. **[5]**

Q2) Attempt the following. **[12]**

a. Describe the ASP flow diagram and explain sludge recycling. **[6]**

b. Explain the concept of Trickling Filter with neat sketch. **[6]**

Q3) Solve any Two Questions. **[12]**

a. Write the principles and design considerations of septic tank. **[6]**

b. With sketch, explain the working of an oxidation ditch. **[6]**

c. Explain the stages of anaerobic sludge digestion **[6]**

Q4) Solve any Two questions. **[12]**

a. Which activities are involved in self - purification of stream? **[6]**

b. Discuss storage and collection systems in municipal solid waste management. **[6]**

c. Write short notes on: **[6]**
i) Self-purification zones
ii) Any 3 methods of disposal of waste water

Q5) Attempt the following. **[12]**

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a. Discuss the importance of EIA in infrastructure development. **[6]**

b. Write a short note on land filling with advantages and disadvantages. **[6]**

Q6) Attempt the following. **[11]**

a. Define Air pollution and write a note on Sources and classification of pollutants. **[6]**

b. Explain the concept and outline of EIA. **[5]**

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] (101) Bachelor of Engineering (66877) Environmental Engineering-II Part 3 SEM 6
2] (101) Bachelor of Engineering (81794) Environmental Engineering-II Part 3 SEM 6
3] (1154) B.Tech. CBCS (81517) Environmental Engineering-II Part 3 SEM 6

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