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Reg. No.: Question Paper Code: 90604 B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2022. Fifth / Sixth Semester Environmental Engineering EN 8592 — WASTEWATER ENGINEERING (Common to: Civil Engineering) (Regulations 2017) Time: Three hours Answer ALL questions. PART A — (10 × 2 = 20 marks) 1. List any two types of sever. 2. What is the difference between one pipe system and two pipe system? 3. Draw the outline of treatment of domestic wastewater. 4. Mention the types of secrens. 5. Mention the objective of secondary treatment. 6. Define algal symbiosis. 7. Mention the Indian standard for disposal of BOD and COD in inland surface water. 8. Define sewage sickness. 9. Mention the objective of sludge treatment. 10. Compare sludge thickening and sludge dewatering. PART B — (5 × 13 = 65 marks) 11. (a) Discuss the chemical characteristics of wastewater and their significance in wastewater treatment. Or (b) Illustrate the important sewer appurtenances and their usage. (13)			64
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