### B. Tech. (Civil) (Elective-I) 6th Semester (G Scheme) Examination, July-2022

#### WASTE WATER TREATMENT

### Paper-PEC-CEEL-302-G

Time allowed: 3 hours]

[Maximum marks: 75

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Before answering the questions, candidate should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note: Attempt five questions in all, selecting one question from each section. Question No. 1 is compulsory.

All questions carry equal marks.

1. Describe the following:

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- (a) Sludge
- (b) Velocity in sewer
- (c) Sanitary Fitting
- (d) Oxygen Demand
- (e) Flocculation
- (f) Oxygen sag curve

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(3)

Section-A

	2.
	(a)
sanitation?	What are the i
tion '	are
?	the
TOTAL PROPERTY.	importance
	and
	necessity
7	of
	Santana Contract

3 flow? What are the factor affecting the dry weather

(a) Explain in detail joints and appurtenances. sewer

3 Explain the testing of sewer lines.

# Section-B

(a) Explain the types of pipes used in drainage.

3 Explain in details system of plumbing.

in (a) What are the physical, chemical and biological characteristics?

3 Explain the oxygen demand in detail.

## Section-C

6. (a) Explain the primary treatment of sewage.

9 tank. Explain the design of primary sedimentation

> (a) Difference between Aerobic and Anaerobic Treatment Process.

7.

9 Explain the Aerated lagoon and septic tank functions. 00

## Section-D

00 (a) What is the objective of sludge treatment?

3 Explain the working of sludge drying bed. 00

(a) disposal? What are the standards of waste water

6 Explain in detail dispersion system. sewage farming and soil