

No Preview
Available

Total No. of Question : [4]

Registration No. :

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Programme Name : Bachelor of Civil Engineering
Regular T.Y.B.Tech. ESE (A.Y. 2023-24) Sem.V Nov.2023
V SEMESTER (2021 BATCH)
201CEL302-Environmental Engineering(TH)

Duration : [11:00 AM - 01:00 PM]

Date : 22 Nov, 2023

Day : Wednesday

Marks : 50

Instructions :

- (Q1) All questions are compulsory [20.0]
(a) Explain the factors affecting water demand. [6.0]
(b) Design cascade aerator for a flow of 15 MLD. [7.0]
(c) Write a note on fire hydrant and water meters their working and uses. [7.0]
- (Q2) Attempt any two out of three questions [10.0]
(a) What is the necessity of sanitation systematic collection [5.0]
(b) What is the difference in COD and BOD? [5.0]
(c) BOD of a sewage incubated for 2 days at 30°C was found to be 160 mg/lit. What would be its 5 days 20°C BOD. Assume k (base 10) at 20°C as 0.12 per day. [5.0]
- (Q3) Attempt any two out of three questions [10.0]
(a) Explain with neat sketch activated sludge process. [5.0]
(b) Explain breakpoint chlorination with neat graph. [5.0]
(c) How the polluted stream gets self purified? [5.0]
- (Q4) Attempt any two out of three questions [10.0]
(a) Write a note on EIA process. [5.0]
(b) Classify and explain systems of plumbing. [5.0]
(c) What is incineration process. What are its drawbacks? [5.0]
