

CT-1 on CE 341

(Environmental Engineering-I)

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Full Marks: 20 Times: 20 Minutes

- Q.1 Define Environmental Engineering. How can we improve public health?
- Q.2 Describe the detail diagram of disease transmission and sanitation.
- Q.3 Write the transmission and control of water related diseases.

... with rate of filtration of 2 mm/s^2 rate of

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Mark: 20

Time: 20 min

CT-2

Q1. Describe the theory of filtration through sand-bed.

Q2. Design a rapid sand filter unit for 6 mgd capacity with rate of filtration of 2 gpm/ft^2 , rate of washing of 15 gpm/ft^2 and length of filter run of 24 hrs including 5 min for washing the filter bed and 10 min for resettlement of sands. Determine number, size of units and capacity of wash water tank.

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... based on the

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Class Test on CE 3141

1. Briefly describe the general classes of municipal consumption of water.
2. Enumerate the methods of population forecasts.
3. The census records of a city show population as follows

Present	Before one decade	Before two decades	Before three decades
120000	110000	90000	75000

Work out the probable population after one, two and three decades using geometric increase method

2. Explain with sketches the comparison with other systems?