VET BVL POLYTECHNIC
JP Nagar, Bangalore
Department of Civil Engineering

Date: 28/12/2020 I Internals Time: 10-11am
Class: III sem Sub: Water Supply Engineering Marks: 20

Answer all questions. Each carries 5 Marks

1. The following data has been taken from census department

Sl no	year	population
1	1975	15000
2	1985	20500
3	1995	27000
4	2005	35500
5	2015	45000

Estimate the population for the years 2025 and 2035 by geometrical increase method

OR

Estimate the population for the above data using Arithmetical increase method

2. Explain artesian spring with a neat sketch

OR

Explain infiltration well with a neat sketch

3. Explain with a neat sketch Jackson's turbidity meter.

OR

Explain the working of plain sedimentation tank.

4. Draw the flow diagram of different units of treatment of water .

(OR)

Draw a neat diagram of rectangular sedimentation tank

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I INTERNALS

Sub: Estimation and Costing Date: 28/12/2020
Sem: V Time: 10.00-11.00am

Answer all questions. Each carries 5 Marks

1) What is an Estimate? What are the types of Estimation?
2) Explain briefly Detailed and Abstract Estimate

OR

Explain Preliminary Estimate and Item rate Estimate

3) Write the specification for Brickwork in CM (1:6)
4) Write the specification for RCC works (1:2:4)