

[16]

for village community? In what way this differs from urban community? [8]

What is the importance of personal Hygiene with respect to control of disease transmission? [8]

## OR

What do you understand by communicable diseases? How can these diseases be transferred and Controlled?

## Unit-'III'

Differentiate between slow sand filters and horizontal roughing filter. Give neat sketches of both the filters. What are the advantages of horizontal roughing filter? [8]

Explain the importance of disinfection and the common methods used for it in rural areas. [8]

the same.

(b) What do you understand by Food-Poisoning? Explain the term Botulism and discuss its ill effects.

[8]

## (Unit-'V')

Design a septic tank and soak pit for a small community housing 500 residents. Draw a neat sketch of the septic tank and soak pit. [8]

(b) What is Bio-gas? Explain the working of a biogas plant. What are the reasons of failure of biogas [8] plant?

## OR

(a) Describe with sketches various types of latrines used for rural sanitation.

Draw a flow diagram for the planning procedure adopted in community water supply and sanitation projects. [8]