

No. of Printed Pages : 03

Roll No.

671

B. Tech. EXAMINATION, May 2019

(Sixth Semester)

(Old Scheme) (Re-appear Only)

CE

CE302

ENVIRONMENTAL ENGINEERING-I

Time : 3 Hours]

[Maximum Marks : 100

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

Note : Attempt any *Five* questions. All questions carry equal marks. Assume, if any missing data.

(1-04/28) M-671

P.T.O.

1. (a) Discuss the methods of well development. **10**
 (b) What are the sources of water ? Discuss the quality of water available from these sources. **10**
2. (a) Write the Chemical parameters of potable water. **10**
 (b) Write the methods of sampling. **10**
3. (a) Write the different methods of Population forecasting. **10**
 (b) Explain Intakes. Discuss Wet Intakes. **10**
4. (a) Explain the Hardy-Cross method of water supply network. **10**
 (b) Write the steps involve in calculating the capacity of water tank. **10**
5. (a) Give the list of types of pumps and their efficiency. **10**
 (b) What point should be considered for selecting the pumps ? **10**

6. (a) Do comparison between the working of Slow sand filter, Rapid sand filter and Pressure filter. **10**
 (b) Describe the working of sedimentation tank. **10**
7. (a) Write the methods of Fluoridation. **10**
 (b) Discuss the zeolite process of softening of water ? **10**
8. Write short notes on the following : **20**
 (a) Water fixtures
 (b) Water purification at home.