

No. of Printed Pages : 03

Roll No.

671

B. Tech. EXAMINATION, May 2018

(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.

(3-35/5) M-671

P.T.O.

1. (a) Enlist the methods of water harvesting. **10**
 (b) What is the scope of environmental engineering in your daily life ? **10**
2. (a) Write the physical parameters of potable water. **10**
 (b) What is Water Quality Index ? How is it to be calculated ? **10**
3. (a) Discuss the variation in water demand. Explain its different types. **10**
 (b) Discuss, the appurtenances required for water supply. **10**
4. (a) Explain the Hardy-Cross method of water supply network. **10**
 (b) What point should be considered for operation of water supply system ? **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) What is Screening ? Write its necessity for water treatment plant. **10**
 (b) Mention the types of disinfectant for potable water. **10**
7. (a) What do you mean by softening of water ? Explain Lime-Soda process. **10**
 (b) Write the methods Deflouridation. **10**
8. Write short notes on the following : **20**
 (a) Water fixtures
 (b) Water purification at home.