

BACHELOR OF CONSTRUCTION ENGINEERING EXAMINATION, 2018
(4th Year, 1st Semester)
Environmental Engineering

Time : Three hours

Full Marks : 100

Answer ***all*** the questions.

1. What is pollution ? What do you mean by pollutants ? Carbon dioxide is present in air but we do not define it as pollutant-explain in your words. Name the sources of pollution for water. 20

2. Define types of treatments we generally go for treating waste water and name some of them. Draw with neat sketches the primary and secondary treatment flow sheets. Name the pollutants present in waste water. Make a list of waste water parameters and their normal ranges as present. 20

3. What are the sources of air pollution ? Explain each in brief. Explain air pollution modelling and its significance. 20

4. Define activated sludge with diagram. Explain the terms associated with activated sludge process.

5. Define Hazardous waste as per EPA. How is it generated, transported, stored. recycled and disposed. 20