

Program: B.Eng. (CEE) 6<sup>th</sup> Semester  
Semester: Summer

Date: 23<sup>rd</sup> February, 2023  
Time: 2:00 pm – 3:30 pm

**ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)**  
ORGANISATION OF ISLAMIC COOPERATION (OIC)  
DEPARTMENT OF TECHNICAL AND VOCATIONAL EDUCATION (TVE)

**Exam:** Mid Semester Examination

**Academic Year:** 2021 - 2022

**Course Number:** HUM 4659

**Full Marks:** 75

**Course Title:** Technology, Environment, and Society

**Duration:** 90 minutes

Answer all questions. The symbols have their usual meaning.

1.
  - a) Define point and non-point water pollution with appropriate examples. (05) CO2 PO7
  - b) Define water Quality. Explain the processes of sewage treatment plant. (10)
  - c) List out the consequences of Global warming. Explain the actions that can be taken to reduce the adverse Impact of Global warming. (10)
  
2.
  - a) How do you analyze the impact of technology on environment? (10) CO1 PO1,
  - b) What is Biodiversity? Briefly discuss the reasons of Biodiversity loss on earth. (10) PO7
  - c) What are the functions of an ecosystem? (05)
  
3.
  - a) Various researches revealed that concentration of carbon dioxide in atmosphere in the last 60 years (1960-2020) increased from 310 ppm to 390 ppm. Mention the reasons behind these increase. (10) CO2 PO7
  - b) Write down the major environmental concerns of today's world. Explain the seven (7) theories of climate change. (10)
  - c) Write a short note on Acid Precipitation. (05)