

Program: B.Sc. (Eng.) MPE 4th Semester Semester: Summer Semester

Hydrological cycle.

Date: 7th March 2024(Thursday) Time: 10:00am - 11:30am

> (10)CO1 PO7

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

Exam: Mid-Semester Examination Academic Year: 2022 - 202 Course Number: HUM 4417 Full Marks: 75 Course Title: Sustainability in Technology, Environment, and Society. Duration: 90 minutes

Answer ALL questions. The symbols have their usual meaning. Explain the functions of an ecosystem and what are the components of an earth

Define the term sustainable development and describe its measures.

۷.		what are Green House Gases? How are they responsible for trapping heat in the atmosphere of Earth? Explain with the necessary diagrams. What are the benefits of Carbon Sequestration? explain the Seven (7) theories of Climate Change.	(10) (15)	CO2	PO7	
3.	a)	What is an ozone hole? Explain the process of ozone layer depletion with chemical reactions. Mention the impact of ozone layer depletion on Human Health and Ecology.	(15)	CO2	PO7	
	b)	Explain the process of sewage treatment and mention the process involved in	(10)			