

Program: B.Sc.T.E. 2-Year 2nd Semester
Semester: Summer

Date: 08 March 2024
Time: 10:00 am – 11:30 am

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

Examination: Mid Semester Examination
Course Number: Hum 4249
Course Title: Technology, Environment & Society

Academic Year: 2022 - 2023
Full Marks: 75
Time: 90 minutes

There are 4 (four) questions. Answer 3 (three) questions. Question number 3 is compulsory.
The symbols have their usual meaning.

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|----|----|--|----|-----|-------|
| 1. | a) | Explain the terminologies listed below in relation to environment. Use relevant examples to support your explanation. | 12 | CO1 | |
| | | i. Environment, | | | |
| | | ii. Technology, | | | |
| | | iii. Society, and | | | |
| | | iv. Development. | | | PO-08 |
| | b) | Using examples, demonstrate the interconnection of environment, technology, society and development. | 13 | CO1 | |
| 2. | a) | Differentiate between the earth and the earth system. List the components of the earth system. | 07 | CO1 | |
| | b) | With its status as the most dominant element in the earth system, human being interact with the remaining components to ensure its survival. Illustrate the interaction between human beings and the other spheres of the earth system both positively and negatively. | 18 | CO1 | PO-08 |
| 3. | a) | Is climate change the same as global climate change? Justify your answer. | 06 | CO2 | |
| | b) | Many people argue that overpopulation is a major environmental concern. Do you agreed with that assessment? Justify your answer. | 09 | CO2 | |
| | c) | If the greenhouse gases are critical to our survival on earth (as claimed by various Scientists), why have they been accused of being the source of global warming? | 10 | CO2 | PO-08 |
| 4. | a) | Define pollution and name 6 (six) types of pollution that you know. | 05 | CO3 | |
| | b) | Explain the 3 (three) groups of pollutants. Which one is the most dangerous and why? | 12 | CO3 | PO-08 |
| | c) | A number of small islands have disappeared in the Pacific Ocean in recent years. Do you believe that this phenomenon is linked with air pollution? Justify your answer. | 08 | CO3 | |