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Program: B.Sc. CE 2nd Semester
Semester: Summer

Date: 17 May, 2023 (Wednesday)
Time: 10:00 am – 01:00 pm

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

Exam: Final Semester Examination
Course Number: Hum 4257
Course Title: Islamic History, Science and Culture

Academic Year: 2021 - 2022
Full Marks: 150
Duration: 3 Hours

There are 8 (eight) questions. Answer 6 (six) questions. The symbols have their usual meaning.

1. a) Describe the Mass Energy Theory and Matter of Transmission, in the light of Al-Quran. 10 CO3
b) How does Quran describe the concept of Anatomy and Embryology? Write in the light of Quranic verses. 15
2. a) Emphasize importance of Science and Technology in Islam. 15 CO3
b) Illustrate Scientific indications in the Holy Quran on $H_2+O_2 = H_2O = \text{Life}$. 10
3. a) Discuss the Scientific indications in the Holy Quran on the Big Bang Theory. 15 CO4
b) Explain the Quranic indications on Force of Expansion. 10
4. a) Discuss the Scientific indications in the Holy Quran about the Agronomy. 15 CO2
b) Explain the Scientific indications in the Holy Quran on Meteorology. 10
5. a) Discuss Muslim contributions on Mathematics. 15 CO2
b) Who are Abbas Bin Firnas and Badi Al-Zaman Abull-Ezz Ibn Ismail Ibn Al-Razzaz Al-Jazari? Write their contributions on Engineering. 10
6. a) Describe Muslim contributions to Engineering. 15 CO3
b) Discuss the biography of Al-Biruni and Jabir Ibn Hayyan. 10
7. a) Illustrate Muslim contributions on Medicine. 15 CO3
b) State the story of Mohammad Bin Musa Al-Khawarizmi. 10
8. a) Describe Engineering ethics in the light of Islam. 10
b) Figure out your goal of life as a Muslim. 05 CO4
c) Point out your role as Civil Engineer to the Muslim world. 10