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Program: B.Sc.T.E. and D.T.E. 2nd Semester
Semester: Summer

Date: May 10, 2024 (Tuesday)
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: Semester Final Examination

Academic Year: 2022 - 2023

Course Number: Hum 4237

Full Marks: 150

Course Title: Islamic History, Science and Culture

Duration: 3 Hours

There are 8 (Eight) questions. Answer 6 (Six) Questions. Question 1 (One) and 2 (Two) are Compulsory. The symbols have their usual meaning.

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|----|-------------------------------------|--|----|-----|-------|
| 1. | a) | How did Islamic historiography over time? Write down the contribution of Ibn Hisham, Ibn Qutaiba, and Tabari in Islamic historiography. | 20 | CO1 | PO-01 |
| | b) | Evaluate Ibn Khaldun as a Historian and Social Scientist with a brief discussion about 'Muqaddima ibn Khaldun. | 15 | CO3 | PO-07 |
| 2. | a) | What are the Contributions of 'Baitul Hikmah' in Spreading the Knowledge of 'Islamic History, Science and Culture'? | 20 | CO2 | PO-03 |
| | b) | Identify the three Miracles of the Holy Quran according to Dr. Muhammad Abdullah Daraz's book "Al Bina al-Azim". | 15 | CO4 | PO11 |
| 3. | a) | List five examples of scientific phenomena described in the Quran that are considered miraculous. | 10 | CO2 | PO-03 |
| | b) | What distinguishes Prophet Muhammad's (P.B.U.H) miracle from others, given that all messengers are accompanied by miracles? Compare and contrast the unique characteristics of Muhammad's (P.B.U.H) miracle. | 10 | CO1 | PO-01 |
| 4. | a) | Acknowledge Muhammad ibn Musa al-Khwarizmi's role as the pioneer of algebra. | 10 | CO1 | PO-01 |
| | b) | Explain why Jabir ibn Hayyan is referred to as the "father of modern chemistry." | 10 | CO3 | PO-07 |
| 5. | a) | List six prominent Muslim scientists along with their notable works and significant contributions to the advancement of modern science. | 10 | CO3 | PO-07 |
| | b) | Explain why it is argued that the middle Ages saw greater technological progress than the Greek and Roman periods. | 10 | CO1 | PO-01 |
| 6. | a) | List five Muslim scientists who are recognized as the fathers or founders of their respective fields. | 10 | CO1 | PO-01 |
| | b) | Discuss five influential Muslim scientists along with their major inventions or contributions to science. | 10 | CO1 | PO-01 |
| 7. | a) | Explore the origin of the number 'Zero' and the influence of Muslim mathematicians on the development of Arabic numerals. | 10 | CO1 | PO-01 |
| | b) | Provide a comparative overview of Islam, Christianity, Judaism, Hinduism, and Buddhism, highlighting their major characteristics and differences. | 10 | CO1 | PO-01 |
| 8. | Write short notes on the following: | | | | |
| | i. | Navigation under the Rightly Guided Caliphs. | 10 | CO1 | PO-01 |
| | ii. | Muslim Contributions in Geography and Astronomy. | 10 | CO4 | PO-11 |