



Program: B.Sc.C.S.E. 2nd Semester.
Semester: Summer

Date: May 17, 2024 (Friday)
Time: 10:00 am – 01:00 pm

ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)

ORGANISATION OF ISLAMIC COOPERATION (OIC)

DEPARTMENT OF TECHNICAL AND VOCATIONAL EDUCATION (TVE)

Examination: Semester Final

Academic Year: 2022 - 2023

Course Number: Hum 4241

Full Marks: 100

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) | Assess the Outcomes of 'Hudaybiah Treaty' as a great victory of Islam according to the Muslim Historians 'zuhri' and 'Ibne Hisham's observations. | 10 | CO2 | PO-02 |
| | b) | Discuss the life of Prophet Muhammad (PBUH) as a Reformer, a Politician, a Religious Leader, an Economist, a Social Change Maker and an Unparalleled Contributor to the Humanity. | 10 | CO3 | PO-06 |
| 2. | a) | Define Science and Technology. Describe how scientists works in terms of Observation and Experimentation, Data Collection and Analysis and Formulation of a Hypothesis. | 10 | CO2 | PO-02 |
| | b) | Illustrate the Branches of Islamic Knowledge with an aesthetic view of Islamic Cultures. | 10 | CO4 | PO-08 |
| 3. | a) | Evaluate ibne Khaldun's 'Philosophy of Nation State' with a clear picture of his thought about 'Group Mind and the Factors in the Formation of a State'. | 10 | CO2 | PO-02 |
| | b) | "We will show them our signs in horizons and within themselves until it becomes clear to them that is the truth" (41:53), Identify the 'signs in horizons and within ourselves'. | 05 | CO1 | PO-01 |
| 4. | a) | Discuss the most distinguished figure of the Abbasids, Al-Mamun, with his contribution in Philosophical Re-Union and intellectual Awakening of the Muslims with Scientific and Literary activities during the Abbasid period. | 10 | CO2 | PO-02 |
| | b) | Shed a light on Ancient, medieval, Early, Greek, Roman and Modern Technologies and The Industrial Revolutions. | 05 | CO3 | PO-06 |
| 5. | a) | Discuss the Major Contributions of modern Muslim scientists: Dr. Abdul Qadeer Khan, Dr. Abdus Salam and Dr. A. P. J. Abdul Kalam. | 10 | CO1 | PO-01 |
| | b) | Evaluate Ibn Sina's 'Canon of Medicine' as a Medical Bible. | 05 | CO3 | PO-06 |
| 6. | a) | Outline five inventions originating from Muslim civilizations that have had a profound impact on shaping the modern world. | 10 | CO3 | PO-06 |
| | b) | Evaluate the 'Apostasy Movement: Riddah' by mentioning the Causes of 'Riddah' War. | 05 | CO1 | PO-01 |
| 7. | a) | Explain the various branches of science, and provide a detailed overview of the spheres within the field of social sciences, elaborating on their significance and scope. | 10 | CO4 | PO-08 |
| | b) | Write the autobiography of Abu AR-Rayhan Al-Biruni and Hasan Ibn Al-Haytham with their Major inventions. | 05 | CO1 | PO-01 |
| 8. | Write short notes on the following: | | | | |
| | i. | Ahmad ibn Tulun Hospital & Bimaristan. | 10 | CO1 | PO-01 |
| | ii. | The Provinces: Wali, A' mil and Qazi. | 05 | CO4 | PO-08 |