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

Date: September 12, 2025 (Friday)
Time: 10:00 AM – 12:00 PM

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

Examination: Final Semester Examination
Course Number: Hum 4229
Course Title: Engineering Management

Academic Year: 2023 - 2024
Full Marks: 120
Time: 2.00 Hours

There are 4 (four) questions. Answer all of them. The symbols have their usual meaning.

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|----|----|---|----|-----|------|
| 1. | a) | Define Human Resource Management (HRM) and name 5 (five) major responsibilities of HRM in an organization. | 15 | CO3 | PO9 |
| | b) | Explain 3 (three) benefits of teamwork in an organization. | 15 | | |
| 2. | a) | ABC Engineering Limited wants to encourage teamwork in their company but also needs individual accountability. Which type of performance appraisal system would you recommend for them and why? | 15 | CO3 | PO9 |
| | b) | You are the manager of a small start-up company with only 5 (five) employees. Your long-term goal is to expand the company to employ 20 (twenty) people within the next five years while also stabilizing its financial position. At the initial stage, what types of incentive schemes would you implement to enhance and sustain employee motivation? Explain your choices. | 15 | | |
| 3. | a) | Why is accident prevention so important in engineering jobs? | 05 | CO4 | PO7 |
| | b) | Industrial accidents can be caused by human, technical, environmental, and organizational factors. Which two of these four factors do you think is most challenging to control in engineering workplaces, and why? | 15 | | |
| | c) | Is the responsibility of accident prevention in an industry solely that of the employer? Discuss your answer with reference to the legal and ethical responsibilities in industrial accident prevention. | 10 | | |
| 4. | a) | Differentiate between cost and costing in the context of an organization. | 15 | CO5 | PO10 |
| | b) | What is budgetary control. Explain the importance of budgetary control in an organization. | 15 | | |