

Program: B.Sc.T.E 2-Year 2<sup>nd</sup> Semester  
Semester: Summer

Date: May 28, 2024 (Tuesday)  
Time: 10:00 am – 01:00 pm

3

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

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

Academic Year: 2022 - 2023  
Full Marks: 150  
Time: 3 Hours

There are 8 (eight) questions. Answer 6 (six) questions. Question 7 and question 8 are compulsory. The symbols have their usual meaning.

1. a) What is a routine decision? Mention 5 routine decisions that are regularly taken in an organization. 05  
b) Hamza Hussain, one of the best employees of your company, has resigned from his position for personal reasons. Given his importance, you (the company's CEO) are unsure whether to approve his resignation or not. Considering this scenario, what steps will you take to come up with a final decision? Elaborate your answer. 20 CO2 PO-10
2. a) Differentiate between verbal and nonverbal communication. 05  
b) Malware Limited is a software development firm located at Gulshan, in Dhaka. Its Chief Executive Officer (CEO) is Mr. Hasan Nsubuga while Mr. Md. Azad Alam is the Development Manager who is in charge of supervising the work of programmers, testers, and designers. In light of that description, answer the following questions: CO3 PO-09  
i. What 2 communication techniques take place when Azad verbally updates the CEO about the progress of the ongoing projects? Explain your answer. 15  
ii. Suggest 5 (five) tips to help Mr. Nsubuga enhance communication in his company. 05
3. a) Explain the main responsibilities of Human Resource Management (HRM) within a company? How do these responsibilities contribute to the success of the organization? 15 CO3 PO-09  
b) What is employee training and development? How does HRM support employees in improving their skills and knowledge? 10
4. a) Of the three types of plant layouts that you know, which one would you prefer in your own company? Justify your answer. 15  
b) Differentiate between 'fixed part equipment' and 'variable part equipment' in relation to material handling in an organization. 10 CO3 PO-09
5. a) 'Forecasting labor demand is an important aspect for any successful businesses'. What is your understanding of this statement? 08  
b) Analyze the internal factors that could affect labor demand in IUT. 10 CO3 PO-09  
c) How can modern technologies help Human Resource Managers to forecast labor demand and plan for the manpower needs of their companies? 07
6. a) Outline the objectives of performance appraisal. 10  
b) What is the '360-Degree Feedback' type of performance appraisal? If you were the VC of IUT, how could you apply this technique to evaluate the university faculty members in the annual assessment? 15 CO3 PO-09

- |    |    |   |    |     |       |
|----|----|---|----|-----|-------|
| 7. | a) | Why do company managers apply budgetary control in their organizations?   | 10 |     |       |
|    | b) | Name five (5) advantages of budgetary control.  | 05 |     |       |
|    | c) | While extremely important, budgetary control can have serious consequences in the running of a company. As the CEO of ABC Ltd, during an economic crisis, what actions will you taken to minimize the effects of budgetary control in your company? | 10 | CO5 | PO-10 |
| 8. | a) | 'Prevention is better than cure'. How important is this statement in relation to industrial accident prevention?  | 10 |     |       |
|    | b) | Discuss the importance of accident prevention mechanisms in an industry.  | 05 | CO4 | PO-07 |
|    | c) | You are the CEO of a garment company in Board Bazar. What accident prevention techniques will you implement to ensure a safe working environment for your staff?  | 10 |     |       |