

CM.

KATHMANDU UNIVERSITY
End Semester Examination
14. January 2024

Level : B.E./B.Sc.
Year : IV
Time : 2 hrs. 30mins.

Course : MGTS 403
Semester : I
F. M. : 40

SECTION "B"

[6Q × 4 = 24 marks]

Attempt *ANY FOUR* questions.

1. What can individuals and communities do to get ready for potential job changes due to AI, and what strategies might help lessen the impact?
2. Using exponential smoothing with a weight of 0.7 on actual values: [2+2=4]
 - a. If sales are \$110,000 and \$95,000 for 2015 and 2016, what would you forecast for 2017? (The first forecast is equal to the actual value of the preceding year.)
 - b. Given this forecast and actual 2017 sales of \$100,000, what would you then forecast for 2018?
3. Describe how assignment, delegation of authority and accountability are interrelated.
4. Discuss the relationship between concepts of quality and the use of process control charts. How do these tools contribute to Total Quality Management (TQM)?
5. Select a product line in a specific industry and list actions that can be taken to reduce product liability.
6. Explore the role of whistleblowing in maintaining ethical standards within organizations.
7. Write short notes on (*ANY TWO*). [2+2=4]
 - a. Mind Mapping
 - b. Just-In-Time (JIT)
 - c. Game Theory

SECTION "C"

[2 Q. × 8 = 16 marks]

Attempt *ALL* questions.

8. Define and explain the core foundational principles of content theories of motivation, providing examples from theories such as Maslow's Hierarchy of Needs, Herzberg's Two-Factor Theory, and McClelland's Need Theory. Discuss how process theories shift the focus from identifying specific needs to understanding the cognitive processes involved in motivation. [8]

OR

- a. Explain with example how work breakdown structure is used to provide a common framework to accomplish tasks. [4]
- b. What do you understand by network-based project scheduling? Describe the difference critical path method (CPM) and program evaluation review technique (PERT)? [4]

9. a. If you have been exposed to capital investment analysis and/or engineering economy, comment on the proposal to invest \$1 million in a new product now that is projected to generate \$200,000 profit at the end of each year for eight years, assuming that your company requires 15 percent return on investment before taxes. [4]
- b. You must decide whether to buy new machinery to produce product X or to modify existing machinery. You believe the probability of a prosperous economy next year is 0.6 and of a recession is 0.4. Prepare a decision tree, and use it to recommend the best course of action. The applicable payoff table of profits (+) and losses (-) is given below:

[4]

	N1: Prosperity (\$)	N2: Recession (\$)
A1 (Buy new)	+950,000	-200,000
A2 (Modify)	+700,000	+300,000