

KATHMANDU UNIVERSITY
End Semester Examination
February, 2025

Marks Scored:

Level : B.Arch.

Year : IV

Exam Roll No. :

Time: 30 mins.

Registration No.:

Course : MGTS 403

Semester : I

F. M. : 10

Date :

17 FEB 2025

SECTION "A"

[20Q. × 0.5 = 10 marks]

Choose the most appropriate answer and **encircle**.

- Henry Mintzberg has divided three types of managerial roles: Interpersonal, Informational and Decisional. What are the three types of interpersonal roles:
 - figurehead, monitor, leader
 - entrepreneur, monitor, figurehead
 - leader, figurehead, liaison
 - leader, monitor, liaison
- Which of the following statement is **FALSE**:
Max Weber describes the following as characteristics of legal authority with a bureaucratic administrative staff:
 - Administrative acts, decisions, and rules must not be reduced to writing.
 - Members of the organizations owe loyalty to the office.
 - Candidates for offices are selected and appointed based on their technical capability.
 - Officials are not the owners of the organization.
- Which of the following doesn't lie in the key result areas distinguished by Peter Drucker for the organization's survival:
 - Innovation
 - Market share
 - Profitability
 - Government policies
- Which of the following are qualitative methods of forecasting:
 - Delphi Method, Sales Force Composite, Simple Moving Average
 - Sales Force Composite, Users' Expectation, Choice of Method
 - Delphi Method, Simple Moving Average, Weighted Moving Average
 - Delphi Method, Sales Force Composite, Exponential Smoothing
- If sales for 2012, 2011, 2010, 2009 were 1600, 1200, 1300, 1100 respectively and corresponding weights are 0.4, 0.3, 0.2 and 0.1 what would be sales forecast for 2013?
 - 1300
 - 1370
 - 1443
 - 1208
- Which is the correct order of steps in Scientific Method of Decision Making:
 - Define the problem, Develop hypotheses, Test hypotheses, Collect data, Analyze results, Draw conclusion.
 - Define the problem, Develop hypotheses, Test hypotheses, Analyze results, Collect data, Draw conclusion.
 - Define the problem, Collect data, Develop hypotheses, Test hypotheses, Analyze results, Draw conclusion.
 - Define the problem, Collect data, Test hypotheses, Develop hypotheses, Analyze results, Draw conclusion.

7. Which of the following is not among the four special problems for management as described by Drucker for new information based organization:
 - a. Developing rewards, recognition, and career opportunities for specialists.
 - b. Creating diversified vision in an organization for specialists.
 - c. Devising the management structure for an organization of task forces.
 - d. Ensure the supply, preparation, and testing of top management people.
8. Which of the following is not the technique of conventional performance appraisal:
 - a. Forced ranking
 - b. Modified ranking
 - c. Percentile
 - d. Management By Objective
9. Which of the following is not the component of leadership?
 - a. Be optimistic
 - b. Understand courage
 - c. Prepare just in time
 - d. Communicate
10. Three common types of financial budgets include:
 - a. Cash budget; Operating budget; Balance sheet budget.
 - b. Cash budget; Capital expenditure budget; Balance sheet budget
 - c. Cash budget; Capital expenditure budget; Income statement budget
 - d. Balance sheet budget, Income statement budget, Capital expenditure budget.
11. Which of the following is not the acidity ratio?
 - a. Costs of goods sold/Inventory
 - b. Gross sales/Total assets
 - c. Net sales/Account receivables
 - d. Net sales/Total assets
12. Which of the following is not the kind of people needed for technological innovation:
 - a. Project Manager
 - b. Idea generator
 - c. Gate Keeper
 - d. Sponsor
13. Which one of the following statement defines maintainability?
 - a. A system will demonstrate specified performance for a stated period of time when operated under specified conditions.
 - b. A system will demonstrate fault-free performance for a stated period of time when operated under specified conditions.
 - c. A failed system will demonstrate it can be restored to specified performance for within a stated period of time when operated under specified conditions.
 - d. A safety critical system will demonstrate it can be restored to specified performance for within a stated period of time when operated under specified conditions.
14. Which of the following findings summarized by Tosh is correct:
 - a. 98% of unhappy customers never complain, but 80% never return; each one tells at least nine others, and 14% tell more than 25 others.
 - b. 96% of unhappy customers never complain, but 85% never return; each one tells at least nine others, and 13% tell more than 25 others.
 - c. 96% of unhappy customers never complain, but 90% never return; each one tells at least nine others, and 13% tell more than 20 others.
 - d. 98% of unhappy customers never complain, but 90% never return; each one tells at least nine others, and 14% tell more than 20 others.
15. PERT stands for _____
 - a. Project Evaluation Review Technique
 - b. Project Evaluation Redesign Technique.
 - c. Program Evaluation Review Technique.
 - d. Program Evaluation Redesign Technique.
16. Which of the following is not the source of conflict as defined by Thamhain
 - a. Conflict over schedules
 - b. Conflict over project priorities
 - c. Conflict over work place
 - d. Conflict over cost

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17. Identify the correct order of career stages:
 - a. Growth, Establishment, Exploration, Maintenance, Disengagement
 - b. Growth, Exploration, Establishment, Maintenance, Disengagement
 - c. Exploration, Establishment, Growth, Maintenance, Disengagement
 - d. Exploration, Growth, Establishment, Maintenance, Disengagement

18. Which of the following is not the conflict of interest
 - a. Gifts
 - b. Harassment
 - c. Moonlighting
 - d. Inside information

19. Ergonomics is _____
 - a. automation of machines, operations and work environment to facilitate human capacities and limitations.
 - b. rearrangement of machines, operations and work environment to increase human capacities and limitations.
 - c. designing machines, operations, and work environment to match human capacities and limitations.
 - d. reducing machines, operations, and work environment to match human capacities and limitations.

20. When faced with ethical dilemmas in professional practice, what ethical principle involves revealing information about unethical practices within an organization?
 - a. Conflict of interest
 - b. Professional responsibility
 - c. Whistleblowing
 - d. Honesty and integrity

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SECTION "B"

[6 Q. × 4 = 24 marks]

Attempt ANY SIX questions.

1. Explain in brief about the function of the manager.
2. Explain about the Scientific Management and its criticism from workers viewpoint.
3. Sales of a particular product (in thousands of dollars) for the years 2010 through 2012 have been \$50,000, \$68,000, and \$85,000, respectively. What sales would you forecast for 2013, using the simple regression (least squares) method?
4. You must decide whether to buy new machinery to produce product X or to modify existing machinery. The applicable payoff table of profits (+) and losses (-) is:

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

5. Explain about the different sources of power. Give an example of current leaders or the candidates that have been part of current local election of Nepal in terms of which power do they exhibit.
6. Your company has two alternative opportunities, each requiring your entire capital investment budget of \$325,000. Alternative A will return \$390,000 at the end of one year; alternative B will return \$216,000 at the end of each of the first two years. Which (if either) alternative should you recommend on the basis of (a) simple payback time? (b) net present worth?
7. Write short notes on (*ANY TWO*):
 - a. Abilene Paradox
 - b. Lean Manufacturing
 - c. Six Sigma

SECTION "C"

[2 Q. × 8 = 16 marks]

Attempt ALL questions.

8. Explain about the four types of ethical theories and prepare code of conduct for Software Engineers working in Nepal Government.

P.T.O.

9. Hytek Corporation ended 2012 with cash of \$50,000, accounts receivable of \$100,000, and inventory of \$300,000. Property, plant, and equipment were valued at their original cost of \$470,000, less accumulated depreciation of \$170,000. Current liabilities other than income taxes owed (see details that follow) were \$120,000, and long-term debt was \$250,000. Stockholders' equity consisted of (a) \$90,000 capital stock investment and (b) accumulated retained earnings, which had totaled \$130,000 at the end of 2011. Net sales for 2012 were \$900,000. Expenses included \$500,000 as cost of goods sold, \$50,000 as allowance for depreciation, \$85,000 as selling expense, and \$65,000 as G&A expense. Interest income and expense were \$5,000 and \$25,000, respectively, and income taxes for the year (unpaid at year's end) were \$80,000. Dividends of \$20,000 were paid.

- I. Prepare a balance sheet and an income statement reflecting these figures.
- II. Use the output to calculate the current ratio, acid test ratio, leverage ratio, and profit margin.

OR

- a. What do you understand by network-based project scheduling? Describe the difference critical path method (CPM) and program evaluation review technique (PERT)?
- b. For the project outlined in the following table, prepare (a) a bar chart, (b) an arrow network diagram, and (c) a PDM diagram. (d) What and how long is the critical path?

Task	Follows Task(s)	Duration (Weeks)
A	Start	3.0
B	Start	7.0
C	A	2.0
D	B	7.0
E	B, C	5.0
F	D, E	1.0