

College of Engineering, Science and Technology

School of Electrical & Electronics Engineering

EEE609 - Engineering Technology Studies

Final Examination: Semester 2, 2016

QUESTION PAPER

This examination constitutes 50% of total assessment of this unit and students must score 40/100 in this examination in order to pass this unit.

INSTRUCTIONS

1. Time Allowed: **3 HOURS** with additional **10 MINUTES** reading time.
2. **All** answers are to be written in the **Answer Booklet** provided.
3. Write your **ID Number** on **ALL** pages of your Answer Booklet and any extra sheets that you use.
4. This is a **closed book examination**. You are not permitted to access any books, notes or other forms of written or electronic materials.
5. Attach the **extra sheets** securely at appropriate place before handing-in the Answer Booklet to the supervisor.

SECTIONS	QUESTIONS	MARKS
Section A: Short Answers	6 Questions. All compulsory	30
Section B: Long Answers	8 Questions. All compulsory	40
Section C: Essay Writing	3 Questions. (Answer only 2 questions)	30
TOTAL/WEIGHT		100/50%

SECTION A**SHORT ANSWER QUESTIONS****[30 Marks]**

There are **SIX** questions in this section and all are **COMPULSORY**. Each question is worth 5 marks.

1. Define the following terms.
 - Remuneration
 - Scalar chain
 - Centralization
 - Subordination
 - Unity of direction
2. Analyze how delegations of authority assist subordinate in their work.
3. Discuss the significance of decision tree.
4. Explain how tactical plan supports strategic plan.
5. List the five function of leading.
6. Explain the three types of nodes consist in a decision tree.

SECTION B**LONG ANSWER QUESTIONS****[40 Marks]**

There are **EIGHT** questions in this section and all are **COMPULSORY**. Each question is worth 5 marks.

1. Specify and explain the seven steps in decision making.
2. Discuss the role of industrial relations in organizations.
3. Explain the difference between “Strategic Risk” and “Operational Risk”.
4. Organizational structure is a system used to define hierarchy within an organization. It identifies each job, functions and where it reports to within the organization. Distinguish between centralized organizational structures and decentralized organizational structures.
5. Elaborate the importance of key performance indicator (KPI) in a business.
6. Briefly explain the guidelines for communication.

7. Motivation stimulates desire and energy in people to be continually interested and committed to a job, role or subject, or to make an effort to attain a goal. Explain the techniques used to enhance motivation? Provide explanation of each technique.
8. Write an abstract of fifty words from your understanding. "*Challenges of selecting people*". Specify importance and impact as a challenging issue.

SECTION C

ESSAY WRITING

[30 Marks]

There are **THREE** questions listed in this section. You are required to answer **TWO** only. Each question is worth 15 marks.

Question One:

Decision making is the mental process of choosing from a set of alternatives. Discuss why decision making is difficult in an organization.

Question Two:

Analyze the following theories and explain their contributions towards organizational efficiency and effectiveness.

- Systems theory
- Behavioral Management theory

Question Three:

Succession planning is a process for identifying and developing internal people. Analyze the importance of succession planning in an organization.

THE END

