



SCHOOL OF COMPUTING AND ENGINEERING SCIENCES
MASTER IN SUSTAINABLE ENERGY TRANSITIONS
MSSET 8101: ETHICS AND GOVERNANCE IN ENERGY
END OF SEMESTER EXAM

Date: 18th January 2023

Dr. J. Branya, 100 marks

Time: 18:00 – 20:30

Instructions:

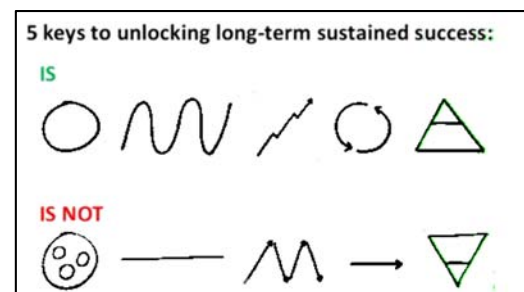
1. This Examination consists of **FIVE** questions
 2. Answer **Question ONE (COMPULSORY)** and any other **TWO** questions.
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Question 1 Compulsory (60 marks)

- 1.1 Briefly explain the difference between morality and ethics (5 marks). Give the reasons why morals are important for one's personal and professional live. (5 marks).
- 1.2 Explain how energy can assist people in the five internal types of goods (10 marks)
- 1.3 Briefly give examples on how energy is being used to increase the five types of capital (10 marks)
- 1.4 Succinctly explain the advantages and disadvantages of Corporate Social Responsibility (10 marks)
- 1.5 Changing cultures is difficult. David Lean had a simple three steps model. Explain how one can change the electricity use in your company using this model. (10 marks)
- 1.6 Indra Nooyi defines the characteristics of good leaders using 5 C's. How Mandela lived each of them. (10 marks)

Question 2. (20 marks) Any society can be great if it implements the six social ethical principles. Explain how a family can train the children to live these six principles.

Question 3 (20 marks) Each of the drawings represents a good or a bad way to create a good culture according to Charles Kim. Explain in detail how each can assist your company to create a great culture.



Question 4 (20 marks) Prudence is a key characteristic of those responsible for taking important decisions, especially those that affect other people. Explain the 9 elements by which one can measure prudence. (10 marks) Give a real-life example for each. (5 marks) Explain what of the nine is the one that gives its moral character (5 marks)

Question 5. (20 marks) Governance is how a company is directed and controlled. It can be good or bad governance. Explain the ten principles we discussed to make your company more transparent.