

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF ENGINEERING AND TECHNOLOGY

UNIVERSITY EXAMIMATION FOR THE DEGREE IN SCIENCE IN RENEWABLE ENERGY TECHNOLOGY AND MANAGEMENT

4TH YEAR 2ND SEMESTER 2023/2024 ACADEMIC YEAR

CENTRE: MAIN CAMPUS

COURSE CODE: TEB 1412

COURSE TITLE: ENERGY LAW AND SECURITY

EXAM VENUE: STREAM: BSc. REN ENGY TEC & MGT

DATE: /04/2024 EXAM SESSION:

DURATION: 2 HOURS

Instructions

- 1. Answer question 1 (Compulsory) and ANY other two questions
- 2. Candidates are advised not to write on question paper
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.
- 4. Marks shall be lost for illegibility

QUESTION ONE (30 Marks) (Compulsory)

Briefly explain what is meant by the following:

- a) Municipal energy law (5 Marks)
- b) Energy security (5 Marks)
- c) National Energy policy (5 Marks)
- d) Licensing authority (5 Marks)
- e) Energy audit (5 Marks)
- f) Energy conservation (5 Marks)

QUESTION TWO (20 Marks)

- A) Discuss the Constitutional basis of energy law in Kenya (10 Marks)
- B) Differentiate between original and appellate jurisdictions of the Energy and Petroleum Tribunal (10 Marks)

QUESTION THREE (20 Marks)

- A) Discuss the factors that led to the development of International Energy law (10 Marks)
- B) Discus any two sources of International Energy Law (10 Marks)

QUESTION FOUR (20 Marks)

Discuss the obligations of the following in ensuring Energy efficiency and Conservation:

- A) County governments (10 Marks)
- B) Owner of factory / building (10 Marks)

QUESTION FIVE (20 Marks)

As an expert in Renewable Energy Technology, you have been appointed as the first Cabinet Secretary in Charge of Energy and Petroleum Affairs in the Democratic Republic of Kanyadians. The head of state, Her Excellency Nyasuna is keen on developing the Republic's energy potential as a way to industrialization. Accordingly, your first assignment is to declare Energy Resource Areas in all suitable areas. Prepare a brief to Her Excellency, stating clearly the current legal position and procedure to be followed. Not more than **TWO** pages required (20 Marks).

END