



FACULTY OF SCIENCE

DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL MANAGEMENT & ENERGY STUDIES

MODULE: ENS8X02
INTERNATIONAL GEOGRAPHICAL & POLITICAL ASPECTS OF ENERGY
(ENERGY POLITICS)

CAMPUS: APK

EXAM: 09 NOVEMBER 2019

DATE: 09 November 2019
TIME (DURATION): 08:30 – 11:30 (3 HOURS)
ASSESSOR(S): Dr. N.E. Kambule
EXTERNAL MODERATOR: Dr. M.D. Masekameni
MARKS: 100

INSTRUCTIONS:

Please answer any **THREE** of the **FIVE** questions.

Each answer should not take you longer than 60 minutes to write if you want to complete the test in time. You may use diagrams or words (or a combination of any) in your answer if you want to.

Each answer is worth the same number of marks (33.3%).

QUESTION 1

Provide an elaborative explanation of *Just Energy Transition*. In your discussion you may consider the following factors: The drivers, disruptor renewable energy technologies, jobs and skills in the *Just Transition* phase.

(33.3)**QUESTION 2**

Critically explain the politics of deregulating the South African electricity market. Your response should include an evaluation of the proposed Independent System and Market Operator (ISMO) bill.

(33.3)**QUESTION 3**

What initiatives and interventions should the Southern African region be focussing on to “ensure access to affordable, reliable, sustainable and modern energy for all”? Focus on the role of the South African Power Pool (SAPP) in Southern Africa.

(33.3)**QUESTION 4**

Discuss the implications of an expanding renewable energy market within the Sub-Saharan Region. Focus on the following aspects:

- Political
- Environmental
- Socio-economic livelihood
- Regulatory landscape

(33.3)**QUESTION 5**

South Africa has expressed its commitment to aligning itself with the 2030 Agenda for Sustainable Development Goals (SDGs) and the Paris Agreement. Explain some of the initiatives that should be considered to mitigate and adapt to the impacts of climate change in the context of sustainable development at both national and local levels.

(33.3)**TOTAL (100)**