

DATE: 24/3/2021

INSTRUCTIONS; Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

a)	Explain the following terms	with reference to environmental technologies and innovations:

i.	Cleaner production	(2 marks)
ii.	Environmental sound technologies	(2 marks)
iii.	Material recyclability	(2 marks)
Citing	relevant examples, discuss the importance of cleaner production in	attainment of

- b) sustainable development goals (10 marks)
- c) Explain the core dimensions of eco-efficiency that must be considered in the development of products and services with environmental implications (14 marks)

QUESTION TWO (20 MARKS)

- Explain the key stages in the evolution of environmental management strategies (10 marks) a)
- Explain different ways through which reduced generation of wastes and emissions at the b) source can be achieved in an industrial setting (10 marks)

QUESTION THREE (20 MARKS)

- a) Citing relevant examples, discuss the key factors that can be used to promote adoption of ecoefficient practices in production and consumption of goods and services in Kenya (10 marks)
- b) Critically evaluate the application of regulations in promoting environmental technologies in Kenya (10 marks)

QUESTION FOUR (20 MARKS)

Discuss how environmental innovations and technologies can be used to enhance community adaptation to climate change

QUESTION FIVE (20 MARKS)

Citing relevant examples, discuss the key principles of green chemistry as used in achieving sustainable chemical process and product development