



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY SCHOOL OF SPATIAL PLANNING
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN WATER RESOURCE AND ENVIRONMENTAL
MANAGEMENT
SEMESTER 2019/2020 ACADEMIC YEAR**

CENTRE: MAIN CAMPUS

COURSE CODE: PES 3321

COURSE TITLE: ENVIRONMENTAL EDUCATION AND EXTENSION

EXAM VENUE: STREAM: WATER

DATE: 1/12/20 EXAM SESSION: 9-12 NOON

TIME: 3 HOURS

Instructions:

- 1. Answer question 1 (compulsory) and ANY other 2 questions.**
- 2. Candidates are advised to write on the text editor provided, or to write on a foolscap, scan and upload alongside the question.**
- 3. Candidates must ensure that they submit their work by clicking 'FINISH AND SUBMIT ATTEMPT' button at the end.**

Question One (Compulsory)

- a. Discuss the main functions of NEMA. **(10 marks)**
- b. Explain the challenges encountered by legislative, executive and judicial arms of government in the enforcement of environmental laws and policy in Kenya. **(10 marks)**
- c. Discuss the policy of ‘client seeking services’ currently in use by Kenyan government agencies as opposed to ‘services seeking clients’. **(10 marks)**

Question Two

Benson Origa has been contracted to design visual aids for a Participatory Environmental Education and Extension (E.E.E) workshop. Explain the factors he has to take into consideration.

(20 marks)

Question Three

Discuss the merits and demerits of both formal and non-formal approaches to Environmental Education and Extension learning sessions.

(20 marks)

Question Four

Explain the lessons learnt by Environmental Education and Extension experts from both the Earth and Biosphere 2 experiments.

(20 marks)

Question Five

Gilbert Wafula is preparing a presentation on why Environmental Education and Extension is vital for all citizens. Discuss the points he should highlight.

(20 marks)