



**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 2016/2017 ACADEMIC YEAR**

CENTRE: MAIN CAMPUS

COURSE CODE: PES 3212

COURSE TITLE: EARTH MATERIALS PHYSICAL PROCESS AND THE ENVIRONMENT

EXAM VENUE: STREAM: SPATIAL PLANNING

DATE: EXAM SESSION:

TIME: 2 HOURS

Instructions:

- 1. Answer question 1 (compulsory) and ANY other 2 questions.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

- Q1. a) Use an illustration to describe divisions of the atmosphere based on temperature [10 marks]
- a) Describe any two theories associated with the origin of the Earth [8 marks]
 - b) Describe the concept, which explains the formation of today's continents [6 marks]
 - c) Discuss the major types of the earth's plate boundaries [6 marks]
- Q2. Illustrate and discuss the structure and properties of the earth's interior [20 marks]
- Q3. Examine five major geo- hazards associated with lithospheric plates [20 marks]
- Q4. Discuss the extrusive and intrusive features resulting from earth's internal processes [20 marks]
- Q5. Discuss the anthropogenic causes of the atmospheric problems, and their impacts [20 marks]