

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF SPATIAL PLANNING

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF ARTS IN SPATIAL PLANNING AND BACHELOR OF SCIENCE IN WATER RESOURCES AND ENVIRONMENTAL MANAGEMENT SEMESTER 2016/2017 ACADEMIC YEAR

CENTRE: MAIN CAMPUS

COURSE CODE: PES 3414

COURSE TITLE: SUSTAINABLE DEVELOPMENT

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.

- 1. (a) The idea of sustainable development dates back to more than 40 years. Explain the Historical perspective of Sustainable Development (5 marks)
 - (b) Explain Sustainable Development according to the Brundtland Report, 1987

(3 marks)

- (c) Explain the 2 key concepts within Sustainable Development (4 marks)
- (d) Explain the 3 generally recognized aspects of Sustainable Development (6 marks)
- (e) Explain any 6 goals of Sustainable Development adopted by UN in 2015 (12 marks)
- 2. Obtaining quality education is the foundation to improving people's lives and sustainable development. Major progress has been made towards increasing access to education at all levels and increasing enrolment rates in schools particularly for women and girls. Explain by giving relevant examples, the steps the Government of Kenya has taken to achieve this goal.
 (20 marks)
- 3. Using the generally-accepted definition of Sustainable Development, explain how it relates to the depletion of fossil fuel reserves. (20 marks)
- 4. (a) Explain any 4 benefits of Sustainable Development (8 marks)
 - (b) Explain any 6 effects of human overpopulation (12 marks)
- 5. (a) Explain the 5 natural resources/elements necessary to sustain life on earth. (10 marks)
 - (b) Explain the impact of interfering with each of the resources in 5a above. (10 marks)