

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF SPATIAL PLANNING UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN WATER RESOURCE MANAGEMENT AND ENVIRONMENTAL CONSERVATION SEMESTER 2016/2017 ACADEMIC YEAR

CENTRE: MAIN CAMPUS

COURSE CODE: PES 3121

COURSE TITLE: BASIC CONCEPTS TO ENVIRONMENT AND 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.

Section A

1.	(a) Define the following terms			
	(i) Environment	(2 marks)		
	(ii) Development	(2 marks)		
	(b) List four functions of World Metrological Organization (WMO)	(4 marks)		
	(c) Outline four recommendations of Tbilisi Conference of 1978 w	ith respect to		
	Environmental Education	(12 marks)		
	(d) Explain five key areas or points which Copenhagen Accord of January, 2010			
	which member states are supposed to address in their respective jurisdictions			
		(10 marks)		

Section B

2.	Discuss the impact of population on environment with respect to the following		
	(i) food production	(7 marks)	
	(ii) energy	(7 marks)	
	(iii) water resources	(6 marks)	

3. (a) Explain the meaning of International Union for Conservation of Nature (IUCN)

	(3 marks)
(b) Discuss the three broad goals of IUCN	(12 marks)
(c) List five functions of IUCN	(5 marks)

4. (a) Explain your understanding of Global Environment Fund (GEF)	(2 marks)
(b) Outline two reasons why GEF was established	(6 marks)
(c) Discuss five focal areas of GEF	(12 marks)

5. (a) Define Sustainable Development	(2 marks)	
(b) Discuss Political, Socio-economic and Technological constraints to realizing		
sustainable development in Sub-Saharan Africa	(18 marks)	