



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2019/2020

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
ENVIRONMENTAL STUDIES AND COMMUNITY DEVELOPMENT

ECD 205: PRINCIPLES OF INTEGRATED WATERSHED MANAGEMENT

DATE: MONDAY 16TH NOVEMBER 2020

TIME: 2.00 P.M - 4.00 P.M

INSTRUCTIONS:

Answer question ONE and any other TWO questions

- Q1. (a) What is a watershed? (2 marks)
- (b) Why are watersheds important? (4 marks)
- (c) Explain the IWRM planning cycle. (4 marks)
- (d) Discuss how impaired streams can be rehabilitated through efficient and effective watershed monitoring. (20 marks)
- Q2. Identify a specific watershed. In this watershed, identify and discuss four main principles that need to be applied in taking action to achieve integrated water Resources Development and Management. (20 marks)
- Q3. Using examples in Africa, discuss the role of IWRM in development cooperation. (20 marks)
- Q4. The basis for IWRM is that the many different uses of water resources are interdependent. Discuss this statement with relevant examples. (20 marks)
- Q5. What are the three pillars of Integrated Water Resources Management (IWRM) and how have they been applied in policy making and planning in the water sector in Kenya. (20 marks)