



## **MASENO UNIVERSITY**

### **UNIVERSITY EXAMINATIONS 2015/2016**

**FOURTH YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE  
OF BACHELOR OF ARTS IN URBAN & REGIONAL MANAGEMENT  
WITH INFORMATION TECHNOLOGY**

### **CITY CAMPUS - WEEKEND**

**PUR 414: PLANNING FOR WATER AND SEWERAGE**

Date: 5<sup>th</sup> December, 2015

Time: 2.00 - 4.00 pm

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#### **INSTRUCTIONS:**

- Answer question ONE and any other TWO questions.



**PUR 414- PLANNING FOR WATER AND SEWERAGE**

**INSTRUCTIONS: ANSWER QUESTION 1 AND ANY OTHER 2**

1. a) Discuss **FIVE** challenges faced by the water sector in Kenya (15marks)  
b) Explain the government interventions put in place to address the challenges mentioned in (a) above (15 marks)
2. Explain the benefits of roof water harvesting in Kenyan urban centres (20 marks)
3. Discuss **FIVE key** objectives of Water reforms in Kenya? (20 marks)
4. Write short notes on the following concepts;
  - a) Water efficiency (4 marks)
  - b) Water withdrawal (4 marks)
  - c) Water scarcity (4 marks)
  - d) Water quality (4 marks)
  - e) Water demand (4 marks)
5. Describe key responsibilities and interactions of the **FIVE** institutions set up by Water act 2002 (20 marks).
6. Explain the Duplin principle for good water resource management as described by the UN Water conference of 1977. (20 marks)