



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018

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

CITY CAMPUS -REGULAR

PUR 414: PLANNING FOR WATER AND SEWERAGE

Date: 15th February, 2018

Time: 2.00 - 5.00pm

INSTRUCTIONS:

- Answer Question ONE and any other TWO.



PUR 414: Planning for Water and Sewerage

City campus

Answer Question ONE and ANY OTHER TWO questions.

Questions

1.
 - a. With the aid of a clearly-labelled diagram, explain the hydrological cycle. (10 Marks)
 - b. Discuss how human activities alter the hydrological cycle explained above. (10 Marks)
 - c. Explain the role of urban and regional planning in tackling the impact of human activities discussed in 1 b) above. (10 Marks)
2. Discuss any **FIVE** key water resource planning challenges. (20 Marks)
3. The County Government of Kisumu has contracted you to prepare a water plan for it. Outline the process you would follow to deliver the plan. (20 Marks)
4. Outline any **FIVE** principles of water and sewerage planning. (20 Marks)
5. Discuss any **FIVE** elements of Kenya's water policy. (20 Marks)
6. Discuss **FIVE** benefits of community participation in planning for water and sewerage. (20 Marks)