



## **MASENO UNIVERSITY**

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

**THIRD YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF  
BACHELOR OF SCIENCE IN GEOSPATIAL INFORMATION SCIENCE  
WITH INFORMATION TECHNOLOGY**

### **CITY CAMPUS - REGULAR**

**PGS 321: PARTICIPATORY GIS AND MOBILE GIS**

Date: 30<sup>th</sup> November, 2015

Time: 2.00 - 4.00 pm

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#### **INSTRUCTIONS:**

- Answer question ONE and any other TWO questions.



## **PGS 321: PARTICIPATORY GIS AND MOBILE GIS**

**INSTRUCTIONS: Answer question ONE, and any other TWO**

1. a) Explain the concept of PGIS.(5 marks)  
b) Explain the enabling and disabling environments in a PGIS? (5 marks)  
c) Explain the advantages of using PGIS over conventional GIS? (10 marks)  
d) Discuss the various techniques used in PGIS.(10 marks)
  
2. Discuss the various data collection methods used in PGIS practice. (20 marks)
  
3. Compare and contrast topographical maps and remote sensing data as a source of base map (20 marks)
  
4. Discuss the process of generating and customizing a base map .(20 marks)
  
5. Using an aerial photo as base map, discuss the various interpretation cues useful for identifying features. (20 marks)
  
6. Selecting a data collection method in PGIS is very critical. What are the key factors to consider while selecting the most appropriate method to use?  
(20 marks)