



W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**University Examinations 2016/2017**

**EXAMINATION FOR THE DEGREE OF BACHELOR OF  
SCIENCE IN LAND RESOURCES PLANNING AND MANAGEMENT**

**ALP 2206: REMOTE SENSING I**

**DATE: JUNE 2017**

**TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER ALL QUESTIONS IN SECTION A AND ANY TWO  
QUESTIONS IN SECTION B**

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**Section A – Compulsory- 30 Marks**

1. Explain Passive Sensor Systems and Active Sensor Systems as used In Remote Sensing (10 Marks)
2. Describe five (5) elements of visual interpretation (10 Marks)
3. Describe any four (4) components of Remote Sensing Software (10 Marks)

**Section B – Answer any two Questions - 40 Marks**

4. (a) Explain In Remote Sensing what a pixel is with relation to resolution (5 Marks)  
(b) Describe any three types of Remote Sensing Products with regard to their resolutions and areas of application (15 Marks)
5. Describe five Project Management Procedures for Remote Sensing Projects (20 Marks)
6. (a) With aid of a diagram describe components of the Global Positioning System (GPS) (12 Marks)  
(b) Explain any 4 GPS uses with regard to Remote Sensing Applications (8 Marks)