JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS 2012/2013

2ND YEAR 1ST SEMESTER EXAMINATION FOR THE DIPLOMA IN BUILDING AND CIVIL ENGINEERING

COURSE CODE: PSP 2211
COURSE TITLE: INTRODUCTION TO GIS AND REMOTE SENSING

DATE: 15/4/2013 TIME: 14.00-15.30PM
DURATION

INSTRUCTIONS:
ANSWER ANY THREE QUESTIONS
Q1. a) i) Describe any five hardware components that can be identified in a standard GIS station [5 marks]
   ii) Using a sketch describe the process for setting up equipment and manuscript for inputting vector data [5 marks]

Q2. a) Explain the following terms as used in GIS
    i) Vector data [5 marks]
    ii) Raster data [5 marks]

Q3. Using figure 1, below construct corresponding topology tables [20 marks]

Q4. a) Describe the sensor platforms used in remote sensing to capture data [10 marks]
    b) Using diagrams describe the types of satellite orbits [10 marks]