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 componets that can be identified in a standard GIS station
[5 marks]
ii) Using a sketch describe the process for setting up equipmentand manuscript for in putting vector data [5 marks]

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

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

Q4. a) Describethe sensor platforms used in remote sensing to capture data   [10 marks]

     b)Usingdiagrams describe the types of satellite orbits   [10 marks]