UNIVERSITY OF RUHUNA

2016/2017 Academic Year

B.A. (Special) Degree 2000 Level 2nd Sem. 2018 May

GEO 22623 – Geographic Information System

Time: 03 Hours.

Part I

1.

 i.   Explain Why important use of Q GIS software? Give 04 reasons.

(04 Marks)

 ii.   Briefly explain, what is Q GIS Plugins?

(02 Marks)

 iii. Briefly describe about followings on GIS Shape File.

 a)   File Structure

 b)   Data Shape

 c)   Database / Attribute Table

(06 Marks)

(04 + 02 + 06 = 12 Marks)

Part II

2. Explain what are the steps that should have followed when prepare a GIS project?

(12 Marks)

3. Discuss about importance of Geo – referencing?

(12 Marks)

4. Describe important 06 GIS Techniques by drawing of diagrams?

(2 x 6 = 12 Marks)

Part III

5.

    i.   Explain the difference in spatial data and non spatial data

                                            (04 Marks)

    ii.   Explain the types of non spatial data by providing suitable examples.

                                            (08 Marks)

6. Describe how to use raster data in a GIS system by providing appropriate examples.

                                            (12 Marks)

7. Describe the steps you follow in order to digitize a map to maximize the accuracy.

                                            (12 Marks)

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