UNIVERSITY OF RUHUNA

2016/2017 Academic Year B. A. (Special) Degree - 3000 Level
2nd Semester Examination - May 2018

GEO 32663 – Advanced GIS

Answer **Five (05)** Questions by selecting at least two (02) Questions

from each Parts.

Time: 03 Hours

Part I

01.   Explain what is the Geo-Spatial Database by drawing suitable diagrams.

(12 marks)

02.   Describe the GIS Techniques that can be used for the analysis of mountain areas.

(12 marks)

03.   Explain how to build Real World phenomena using GIS.

(12 marks)

04.   Write short description about below topics.

i.	Common boundaries in GIS
ii.	GCP and GPS
iii.	TIN
iv.	Arc Toolbox
v.	Q GIS
vi.	Arc Map

(2 x 6 marks)

Part II

05. "It is better to use vector data rather than raster data for spatial analysis". Explain this statement by giving suitable examples.

(12 marks)

06. Explain the main types of information contained in a raster image that can be utilized for image interpretation.

(12 marks)

07. Explain why you recommend digital image interpretation rather than manual image interpretation.

(12 marks)

08. Discuss the process of GIS based Multi - Criteria Analysis for the identification of suitability of new tourism zones and its applicable criteria in the analysis process.

(12 marks)

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