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කරන්න. (ලකුණු 03)

UNIVERSITY OF RUHUNA

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2018/2019 Academic Year B. A. (Special) Degree - 2000 Level

(ලකුණු 09)

1st Semester Examination – October 2019

GEO 21643 – Global Positioning System and Digital Cartography

රිජිම (Registering)

Answer any **five (05)** Questions.

(ලකුණු 02)

Time: 03 Hours.

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(ලකුණු 03)

1. (a). Explain why “Google Earth” is important for the cartographers? (6 marks)

(b). Describe the advantages and disadvantages between **Arc GIS** and **QGIS**
(6 marks)

2. (a). Explain the three segments of Global Positioning System (GPS) (6 marks)

(b). What data can be captured from GPS ? (6 marks)

3. (a). Why GPS data is important for Geographical Information System (GIS)?
(6 marks)

(b). How GPX data transfer to the GIS?. (6 marks)

4. (a). Describe the types of spatial data using suitable diagrams (6 marks)

(b). How to link attribute table with spatial data, explain with a diagram?
(6 marks)

5. (a). Briefly explain the difference between manual and digital maps. (4 marks)

(b). Describe the difficulties encountered when using a manual map. (8 marks)

6. (a). Describe “ Pixel” in a digital map. (3 marks)

(b). Describe the methods of color representation of a pixel contained in a digital map. (9 marks)

7. (a). What does it mean to “ Registering” document when digitizing a map?
(2 marks)

(b). What are the file types can it store when scanning a map? (3 marks)

(c). Describe the disadvantages of using screen digitizing. (7 marks)

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