



**RAJARATA UNIVERSITY OF SRI LANKA**  
**FACULTY OF APPLIED SCIENCES**

B.Sc. (Four Year) Degree in Applied Sciences  
Fourth Year – Semester I Examination – April/May 2014

**COM 4203 -GEOGRAPHICAL INFORMATION SYSTEMS**

Answer **All** Questions

Time allowed: Two hours

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1. Briefly explain the following:
    - (a) the advantages of Geographical Information Systems. (10 marks)
    - (b) data model and structures. (15 marks)
  2. (a) Briefly explain the key components of GIS. (15 marks)  
(b) Explain the importance of GIS. (10 marks)
  3. (a) Explain the areas of GIS application. (10 marks)  
(b) Explain basic functions of GIS. (15 marks)
  4. (a) Compare vector and raster models. (15 marks)  
(b) Explain vector and Raster Data used in GIS. (10 marks)