



RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. (Special) Degree in Applied Biology
Fourth Year – Semester II Examination – June/July 2018

BIO 4311- ADVANCED GEOGRAPHIC INFORMATION SYSTEMS

Time: One and a Half (1 1/2) hours

Answer ALL questions

1. a) Describe how estimating is carried out with respect to elevation (50 marks)
b) Describe the uses of DEM's and emphasize on how they can be used to determine watersheds. (50 marks)
2. a) Differentiate and explain accuracy and precision of geo-spatial data bases. (50 marks)
b) Discuss the components which are required for data quality in GIS. (25 marks)
c) How can positional accuracy be tested? (25 marks)
3. a) Discuss the applications of remote sensing (30 marks)
b) How can remote sensing be applied to monitor the stages in paddy cultivation. (40 marks)
c) Explain how airborne remote sensing is performed (30 marks)

---END---