

RAJARATA UNIVERSITY OF SRI LANKA FACULTY OF APPLIED SCIENCES

B.Sc. (Special) Degree in Applied Science Fourth Year – Semester II Examination – Oct/Nov 2015

BIO 4311- Advanced Geographic Information Systems

Answer all (3) questions	Time: One and a Half hours
 (a) Describe the "GIS data models" for "Vec management systems (DBMS) (b) Explain the raster data structures concep (c) Using examples discuss the "Tesselations" 	[40 marks] in Raster data structures
	[30 marks]
2. (a) In detail discuss the "Contributing diswith examples as appropriate	sciplines and technology" for GIS [70 marks]
(b) Explain the reasons for considering GIS a	
(c) Explain the importance of GIS in research	
3. (a) Give a brief description on Remote Sensi	ing [20 marks]
(b) Describe the "Data collection" by remote sensing with illustrations [50 marks]	
(c) Explain the Advantages and limitations o	of satellite observation [30 marks]