



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

**B.Sc. (Special) Degree in Applied Biology  
Fourth Year – Semester I Examination – January/ February 2021**

**BDC 4204 - ADVANCED GEOGRAPHIC INFORMATION SYSTEM**

**Time: One (01) hour**

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**Answer ALL questions.**

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1. a) Elaborate the term “Digital Elevation Model”, citing examples. (25 marks)
- b) Describe briefly photogrammetry in GIS. (25 marks)
- c) Explain **one (01)** technique used in choosing sample points when using manual photogrammetry. (25 marks)
- d) State the uses of a DEM. (25 marks)
  
2. a) Explain briefly the stages of spatial data handling. (20 marks)
- b) Explain “Point Data Transformation”. (25 marks)
- c) Explain **one (01)** technique used for pattern analysis. (25 marks)
- d) Explaining briefly the term “Spatial Correlation”. (30 marks)

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