

Code: 9D12105b

M.Tech I Semester Regular & Supplementary Examinations January/February 2017

GEOGRAPHICAL INFORMATION SYSTEMS

(Geotechnical Engineering)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 Describe the process of energy interaction with, various earth features like vegetation, soil and water and its spectral signatures.
- 2 Explain the various imaging platform system with examples.
- 3 Explain the process of radiometric correction with a flow chart.
- 4 Describe the various image classification techniques.
- 5 Discuss the various map projections and their characteristics.
- 6 Explain in detail about various data models with neat sketch.
- 7 Write in detail about the landslide hazard zonation mapping.
- 8 Discuss the mapping and management of watershed with an example.
