



**Uva Wellassa University, Sri Lanka**  
**End Semester Examination – February 2011**  
**CST 421-2 Remote Sensing and Image Interpretation**



**Time: Two (02) hours**

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**Total 05 Questions**

**Answer four (4) questions**

**Each question carries 25 marks**

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1. With labeled sketch diagrams explain five digital image processing techniques used for enhancing the quality and interpretability of remote sensing images used in earth observation.
  
2. Write a detailed account on the historical evolution of remote sensing techniques.
  
3. Describe in detail the components of a remote sensing system.
  
4. Write illustrated notes on the followings.
  - (i) Method of multi-spectral satellite image acquisition and recording
  - (ii) Spatial and temporal resolutions of satellite images
  
5. Write short notes on the followings.
  - (i) Digital image classification as applied to satellite images
  - (ii) Atmospheric windows of electromagnetic spectrum
  - (iii) Reflectance properties of earth's surface material
  - (iv) Active and passive remote sensing methods