



**BSc in Export Agriculture**  
**Faculty of Animal Science & Export Agriculture**  
**Uva Wellassa University**  
**Year III Semester II**



**End Semester Examination – July 2010**

**Introduction to Remote Sensing (EAG 347-0)**

**Instructions**

Answer **four (04)** questions only

No. of questions : Five (05)

No. of pages : One (01)

Time allocated : One hour (1 hr)

Total marks allocated : 100

**Question 1**

Give an account on the evolution of remote sensing methods with particular emphasis on their different uses and technological advancements.

(25 marks)

**Question 2**

Discuss the major components of a remote sensing system in detail with illustrated diagrams.

(25 marks)

**Question 3**

Write short notes on the following.

- (a) Atmospheric windows of electromagnetic spectrum and remote sensors
- (b) Visible portion of the electromagnetic spectrum

(25 marks)

**Question 4**

Describe across-track and along-track scanning methods used in acquisition of remote sensing images.

(25 marks)

**Question 5**

Discuss reflectance characteristics of different land cover types as observed in Landsat Thematic Mapper (TM) satellite images.

(25 marks)

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