

ES5701

**Mid Semester Examination**  
**(RS and GIS course, 5<sup>th</sup> year, 2018)**

**Maximum marks: 20**

**Time: 1 hour**

Question-1. What could be the minimum and maximum DN value in a 10 bit recorded satellite image. Explain FCC. (3+2=5)

Question-2. Explain Orbital characteristics - (4x2=8)

- (i) Inclination angle
- (ii) Repeat cycle
- (iii) swath
- (iv) Ascending and descending pass

Question-3. What is a sun synchronous satellite and how it is different from geostationary Satellite in terms is spectral and temporal resolution. (4)

Question-4. Explain different kinds of atmospheric scattering with example. (3)