Assignment 7

Due on 2018-10-16, 03:00 PM

Unit 9 - Week 7

Course Outline
How to Study Successfully
Unit 9 - Week 7

Assignment 7

Due date: October 16, 2018, 03:00 PM

1. Remote sensing (RS) involves data collection using:
   a) Aircraft
   b) Satellites
   c) Landers
   d) All of the above
   e) None of the above
   
2. Which of the following instruments is most commonly used in RS technology?
   a) Scatterometer
   b) Electromagnet
   c) Low Earth Orbit
   d) All of the above
   e) None of the above
   
3. Which are the main factors for RS technology?
   a) Radiometric
   b) Landers
   c) Landmark categories
   d) All of the above
   e) None of the above
   
4. Which are the primary types of satellites for RS technology?
   a) Sun-synchronous
   b) Geosynchronous
   c) Low Earth Orbit
   d) All of the above
   e) None of the above
   
5. Radiometric instruments have the following characteristics:
   a) Resolution of brightness levels (or radiance) at a given wavelength
   b) Reflectance of data at a single point on the ground
   c) Resolution or brightness of a signal from the target
   d) Frequency of the signal in the target
   e) None of the above
   
6. Spectral resolution has the following characteristics:
   a) Number of brightness levels (or radiance) at a given wavelength
   b) Reflectance of data at a single point on the ground
   c) Resolution or brightness of a signal from the target
   d) Frequency of the signal in the target
   e) None of the above
   
7. Temporal resolution has the following characteristics:
   a) Number of brightness levels (or radiance) at a given wavelength
   b) Reflectance of data at a single point on the ground
   c) Resolution or brightness of a signal from the target
   d) Frequency of the signal in the target
   e) None of the above
   
8. Normalized Difference Vegetation Index (NDVI) is usually used to measure:
   a) Soil
   b) Vegetation
   c) Atmosphere pollution
   d) Water in the soil
   e) None of the above
   
9. NDVI is calculated using the following formula:
   a) NDVI = (B11 - B8)/(B11 + B8)
   b) NDVI = 1/(B11 + B8)
   c) NDVI = (B11 - B8)
   d) None of the above

Assignment Instructions
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