Assignment 12

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

1) False-Color Composite (FCC):
   - Assigning corresponding to colours to the visible bands.
   - Assigning the visible colours to the bands to be visualized.
   - Assigning mid-grey to the NIR band.
   - Assigning blue colour to Green band.

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Assigning the visible colours to the bands to be visualized.

2) Clustering-based algorithms are used to classify the image in case of ________

   - Supervised Classification
   - Unsupervised Classification
   - Remote Classification
   - Image Classification

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Unsupervised Classification

3) In a classification scheme if a maize class is further divided into three levels, then it is said to be ________

   - Exhaustive
   - Mutually exclusive
   - Exhaustive and mutually exclusive
   - Hierarchical

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Hierarchical

4) Evapotranspiration provides link between:
   - Surfaces and Atmosphere
   - Surfaces and groundwater
   - Surfaces and Vegetation
   - Surfaces and Ocean

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Surfaces and atmosphere

5) Which of the following models take into account the effects of surface, meteorological and radiation conditions for estimating ET?
   - Vegetation indices based models
   - Priestley Taylor
   - Penman Monteith
   - All the above

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Priestley Taylor

6) Wavelength of emission by land surfaces generally will be ________compared to incoming solar radiation.

   - Longer
   - Shorter
   - Same
   - Can be any one of the options given above based on other conditions.

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Longer

7) For monitoring a natural hazard event in real time, which of the following parameter related to remote sensing data generation and availability is ________ critical?
   - Temporal resolution
   - Legacy
   - Latitude
   - Spatial resolution

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Latency

8) Ratio of mass of water to mass of soil is called ________

   - gravimetric soil moisture
   - volumetric soil moisture
   - metric soil moisture
   - gravimetric soil moisture

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Gravimetric soil moisture

9) OPTIMAS model is based on the relationship between: ________ and ________

   - NDVI and SAVI transformed reflectance (STF)
   - NDVI and EVI
   - DVI and SAVI transformed reflectance (STF)
   - None of the above

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   NDVI and EVI

10) As moisture content increases the emissivity of soil in microwave wavelengths ________

   - decreases
   - increases
   - remains the same
   - Can change in any direction.

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Decrease