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**NPTEL** (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Remote Sensing and Digital Image Processing of Satellite Data (course)**

Announcements (announcements)    **About the Course** ([https://swayam.gov.in/nd1\\_noc19\\_ce38/preview](https://swayam.gov.in/nd1_noc19_ce38/preview))

Ask a Question (forum)    Progress (student/home)    Mentor (student/mentor)

## Unit 5 - WEEK-3

Course  
outline

How to access  
the portal

Model  
Assignment

WEEK-1

WEEK-2

WEEK-3

- Image interpretation of different geological landforms, rock types and structures. (unit? unit=18&lesson=19)
- Remote Sensing integration with GIS and GPS (unit? unit=18&lesson=20)
- Georeferencing Technique (unit? unit=18&lesson=21)

## Assignment 3

The due date for submitting this assignment has passed. **Due on 2019-09-18, 23:59 IST.**  
As per our records you have not submitted this assignment.

1) A perfectly black body 1 point

- Is a diffuse emitter
- Absorbs all the radiations of every wave lengths
- Emits power of every wave length
- All the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*All the above*

2) In Autumn, there is less chlorophyll in the leaves 1 point

- True
- False

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*True*

3) In remote sensing.....resolution is used to distinguish closed spaced objects on an image. 1 point

- Radiometric
- Spatial
- Temporal
- Spectral

Basic image enhancement techniques (unit? unit=18&lesson=22)

Spatial filtering techniques (unit? unit=18&lesson=23)

Quiz : Assignment 3 (assessment? name=62)

WEEK-4

WEEK-5

WEEK-6

WEEK -7

WEEK-8

FEEDBACK FORM

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*Spatial*

4) TIN is

**1 point**

- Triangular Irregular Network
- Taxpayer Identification Number
- Triangulated Irregular Network
- Total Irregular Network

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*Triangulated Irregular Network*

5) Remote sensing techniques make use of the properties of-----emitted, reflected or diffracted by the sensed objects: **1 point**

- electric waves
- soundwaves
- electromagnetic waves
- wind waves

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*electromagnetic waves*

6) Passive sensors can only be used to detect energy when the naturally occurring energy is available **1 point**

- True
- False

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*True*

7) Pick up the correct statement from the following:

**1 point**

- Phase of a wave is expressed as a fraction of a period with respect to a reference
- Phase is usually specified by angular measure with one period being 360°
- The reference for finding the phase of a wave is taken from the previous passage through zero from the negative to the positive direction.
- All of these

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*All of these*

8) A plant with more chlorophyll will reflect more:

**1 point**

- Ultraviolet energy
- Emitted energy
- Near-infrared
- Thermal infrared

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Near-infrared*

9) Leaf reflectance depends primarily on:

**1 point**

- The pigments
- Internal cell structure
- Equivalent water content
- All of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

*All of these*

10) Pick up the correct statement from the following:

**1 point**

- The sun's energy is either reflected (in visible wavelengths), or absorbed and then re-emitted (thermal infrared wavelengths)
- Remote sensing systems which measure energy that is naturally available are called passive sensors
- Spatial resolution of the imaging system becomes poorer with increase of platform height.
- Area coverage of the imaging system increases with the increase of the platform altitude.
- All of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

*All of these*