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Courses » Introduction to Remote Sensing

Announcements

**Course**

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## Unit 5 - Week 3

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### 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
- Remote Sensing Integration with GIS and GPS
- Geo-referencing Technique
- Basic Image Enhancement Techniques
- Spatial Filtering , Band ratio and Principal Component Analysis techniques

## Assignment 3

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-02-27, 23:59 IS**

1) Earth observations from a satellite platform provides:

**1 point**

- Synoptic view of a large area
- Constant solar zenith angles and similar illumination conditions
- Repetitive observations of the same area with intervals of a few minutes to a few weeks
- All of these

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*All of these*

2) Due to scan geometry of a satellite sensor:

**1 point**

- The off-nadir resolution is degraded
- The ground distance swept by the sensor, IFOV is proportional to  $\sec^2\theta$ , where  $\theta$  is the angle of scan measured from the nadir
- The details towards the edge of the scan get compressed
- All of these

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*All of these*

3) 'A time varying electric field produces a magnetic field'. This phenomenon is called:

**1 point**

- Hertz's law
- Ampere Maxwell's law
- Faraday's law

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## VIDEOS

Interaction  
Session

- 0.4  $\mu\text{m}$  wave length
- 0.55  $\mu\text{m}$  wave length
- 0.7  $\mu\text{m}$  wave length
- None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

0.55  $\mu\text{m}$  wave length

5) The objective of image interpretation is:

- Identification and recognition of objects
- Measuring the thickness of objects
- Estimate the age of the objects
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Identification and recognition of objects

6) Presently satellite based remote sensing technology provides possibilities to monitor changes about:

1 point

- Active volcanoes
- Surging glaciers
- Growth of vegetation
- All of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of these

7) Remote sensing technology is:

1 point

- Generic
- Digital
- Spatial
- All of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of these

8) The changes in the reflectivity/emissivity with time, is called:

1 point

- Spectral variation
- Spatial variation
- Temporal variation
- None of these

No, the answer is incorrect.

Score: 0



**Accepted Answers:***Temporal variation*

9) Georeferencing transforms images / maps from ..... coordinate system to .....coordinate system:

**1 point**

- Geometric, space
- Geographic, geometric
- Geometric, geographic
- None of the above

**No, the answer is incorrect.****Score: 0****Accepted Answers:***Geometric, geographic*

10)All bodies at temperatures above absolute zero degree emit electromagnetic radiation at different wave length", is known as:

**1 point**

- Plank's law
- Planktan's law
- Lambert's cosine law
- None of these

**No, the answer is incorrect.****Score: 0****Accepted Answers:***Plank's law*[Previous Page](#)[End](#)