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Courses » Introduction to Remote Sensing

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Unit 4 - Week 2

Register for Certification exam

Course outline

How to access the portal

Model Assignment

Week 1

Week 2

- Interaction mechanism of EM radiation with ground and spectral response curve
- Principles of image interpretation
- Multi-spectral scanners and imaging devices
- Salient characteristics of Landsat, IRS, Cartosat, Resourcesat sensors
- Image characteristics and different resolutions in Remote

Assignment 2

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-02-13, 23:59 IS**

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) Pick up the correct statement from the following: **1 point**

- When the electric field oscillates in the direction of the electric vector, a plane polarised wave is formed.
- When the electric vector is in the plane of incidence, vertical polarisation is formed.
- When the electric vector is at right angles to the plane of incidence, horizontal polarization wave is formed.
- The plane containing the incident ray and normal to the reflecting surface at the point of incidence is called the plane of incidence.
- All of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of these

3) 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

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Score: 0

Accepted Answers:

*All of these*4) Particles and gases in the atmosphere can affect the incoming? **1 point**

- Light and radiation
- Only light
- Only radiation
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Light and radiation*5) Remote sensing techniques makes 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) Which one of the following statements regarding remote sensing is correct: **1 point**

- The interaction of the electromagnetic radiation with the target
- The emission of electromagnetic radiation from the target
- All of the above
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

*All of the above*7) Which one of the following relationship between the wave length (λ), and frequency and the speed (C) of the electromagnetic wave is correct? **1 point**

- $C = v + \lambda$
- $C = \lambda v$
- $C = v\lambda$
- $C = 1/(v\lambda)$

No, the answer is incorrect.

Score: 0

Accepted Answers:

 $C = v\lambda$ 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:

- The pigments
- Internal cell structure
- Equivalent water content
- All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above

10) Particles and gases in the atmosphere can cause:

- Scattering
- Absorption
- Scattering and absorption
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Scattering and absorption

1 point



1 point

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