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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)

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

Unit 3 - WEEK-1

Course outline

How to access the portal

Model Assignment

WEEK-1

- What is satellite based remote sensing? (unit? unit=6&lesson=7)
- Development of remote sensing technology and advantages (unit? unit=6&lesson=8)
- Different platforms of remote sensing (unit? unit=6&lesson=9)
- EM spectrum, solar reflection and thermal emission remote sensing (unit? unit=6&lesson=10)

Assignment 1

The due date for submitting this assignment has passed. **Due on 2019-09-11, 23:59 IST.**
As per our records you have not submitted this assignment.

1) The instruments which provide electromagnetic radiation of specified wave length or a band of **1 point** wave lengths to illuminate the earth surface, are called:

- Passive sensors
- Active Sensors
- Scanner
- None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Active Sensors

2) The arrangement of terrain features which provides the shape, size and texture of objects, is **1 point** called:

- Spectral variation
- Temporal variation
- Radiometric variation
- Spatial variation

No, the answer is incorrect.

Score: 0

Accepted Answers:

Spatial variation

Interaction of EM radiation with atmosphere including atmospheric scattering, absorption and emission (unit? unit=6&lesson=11)

Quiz :
Assignment 1
(assessment? name=60)

WEEK-2

WEEK-3

WEEK-4

WEEK-5

WEEK-6

WEEK -7

WEEK-8

FEEDBACK
FORM

3) Electromagnetic radiation:

1 point

- Produces a time varying magnetic field and vice versa
- Once generated, remains self-propagating
- Is capable to travel across space
- Consists of magnetic and electric fields
- All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above

4) Human eyes are sensitive in all parts of electromagnetic system.

1 point

- True
- False

No, the answer is incorrect.

Score: 0

Accepted Answers:

False

5) Image can have onlyinteger pixel values, whereas grid can haveandreal andcell values.

1 point

- Negative, Negative, Positive, Integer
- Positive, Negative, Negative, Integer
- Positive, Positive, Negative, Integer
- Negative, Positive, Positive, Real

No, the answer is incorrect.

Score: 0

Accepted Answers:

Positive, Positive, Negative, Integer

6) Which one of the following frequency regions is a part of sun's radiation?

1 point

- Ultraviolet frequency region
- Visible frequency region
- Infrared frequency region
- All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above

7) In remote sensing recording of energy is done by the

1 point

- Sensor
- Sun
- Earth
- Satellite

No, the answer is incorrect.

Score: 0

Accepted Answers:

Sensor

8) Which one of the following errors is produced by platform characteristics of the sensor?

1 point

- Missing scan lines
- Radiometric
- Skewness
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

None of the above

9) GIS, Remote Sensing and GPS technologies are:

1 point

- Manual, spatial and digital
- Analogue, manual and spatial
- Generic, digital and spatial
- Generic, analogue and spatial

No, the answer is incorrect.

Score: 0

Accepted Answers:

Generic, digital and spatial

10) Remote Sensing, Geographic Information System and Global positioning system are

1 point

- Digital
- Generic
- Location based
- All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above