

X


<https://swayam.gov.in>

https://swayam.gov.in/nc_details/NPTEL

reviewer4@nptel.iitm.ac.in ▾

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 4 - WEEK-2

Course outline

How to access the portal

Model Assignment

WEEK-1

WEEK-2

- Interaction mechanisms of EM radiation with ground, spectral response curves (unit? unit=12&lesson=13)
- Principles of image interpretation (unit? unit=12&lesson=14)
- Multi-spectral scanners and imaging devices (unit? unit=12&lesson=15)

Assignment 2

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) First ever aerial photograph taken from hot air balloon in

1 point

- 1864
- 1868
- 1867
- 1858

No, the answer is incorrect.
Score: 0

Accepted Answers:
1858

2) Pick up the correct statement from the following:

1 point

- The distance between two successive crests or troughs of a wave, is called, the wave length
- The wave length is measured in metres and a fraction of a metre
- The wave length is generally denoted by λ
- The length of the crest from the midpoint, is called amplitude
- All of these

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of these

3) Which one of the following helps to identify the objects on the earth surface?

1 point

- Atmospheric window

Salient characteristics of LANDSAT, IRS, Cartosat, ResourceSat etc. sensors. (unit? unit=12&lesson=16)

Image characteristics and different resolutions in Remote Sensing (unit? unit=12&lesson=17)

Quiz : **Assignment 2 (assessment? name=61)**

WEEK-3

WEEK-4

WEEK-5

WEEK-6

WEEK -7

WEEK-8

FEEDBACK FORM

- Signature
 Radiometric error
 None of these

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

4) The spectral region of the electromagnetic radiation which passes through the atmosphere without much attenuation is known as: **1 point**

- Ozone hole
 Atmospheric window
 Ozone window
 Black hole

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

5) The basic requirement of any sensor system, is: **1 point**

- Radiometric resolution
 Spatial resolution
 Spectral resolution
 Temporal resolution
 All of these

No, the answer is incorrect.
 Score: 0
 Accepted Answers:
All of these

6) Which one of the following statements is correct? **1 point**

- During the day, earth reflects solar radiation
 During the day earth reflects both solar radiation the emission
 During the night, earth emits radiation from its surface
 All of these

No, the answer is incorrect.
 Score: 0
 Accepted Answers:
All of these

7) The value of energy quantum for radiation of any frequency is proportional to: **1 point**

- The frequency
 The reciprocal of the energy
 The square of the frequency
 The square root of the frequency

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

8) Who is the father of GIS? **1 point**

- Roger Williams
- Pisharoth Rama Pisharoty
- Kiran Kumar Alur Seelin
- Roger Tomlinson

No, the answer is incorrect.

Score: 0

Accepted Answers:

Roger Tomlinson

9) Visible, Infrared, Thermal Infrared, is part of Electromagnetic System

1 point

- True
- False

No, the answer is incorrect.

Score: 0

Accepted Answers:

True

10) The part radiation due to scattered/diffused radiation entering the field of view of a remote sensor other than that from the required target:

1 point

- Reduces the contrast of the image and also its sharpness
- Increases the contrast of the image but reduces the sharpness
- Increases both the contrast and sharpness
- Reduces the contrast but increases the sharpness

No, the answer is incorrect.

Score: 0

Accepted Answers:

Reduces the contrast of the image and also its sharpness