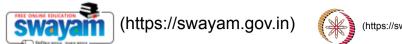
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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Remote Sensing and Digital Image Processing of

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 	3) Electromagnetic radiation:	1 point
EM radiation	Draduces a time version respectis field and vice versa	
with atmosphere including	Produces a time varying magnetic field and vice versa	
atmospheric	Once generated, remains self-propagating	
scattering,	Is capable to travel across space	
absorption and emission (unit?	Consists of magnetic and electric fields	
unit=6&lesson=11)	All of the above	
O Quiz :	No, the answer is incorrect. Score: 0	
Assignment 1	Accepted Answers:	
(assessment? name=60)	All of the above	
·	4) Human eyes are sensitive in all parts of electromagnetic system.	1 point
WEEK-2	O True	
WEEK-3	False	
WEEK-4	No, the answer is incorrect. Score: 0	
	Accepted Answers:	
WEEK-5	False	
WEEK-6	5) Image can have onlyinteger pixel values, whereas grid can haveandreal andcell values.	1 point
WEEK -7	Negative, Negative, Positive, Integer	
	O Positive, Negative, Integer	
WEEK-8	O Positive, Positive, Negative, Integer	
FEEDBACK	Negative, Positive, Real	
FORM	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	
10Remote 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	