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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 \(https://swayam.gov.in/nd1_noc19_ce38/preview\)](https://swayam.gov.in/nd1_noc19_ce38/preview)**

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Unit 8 - WEEK-6

Course
outline

How to access
the portal

Model
Assignment

WEEK-1

WEEK-2

WEEK-3

WEEK-4

WEEK-5

WEEK-6

Colour representations and transforms (unit? unit=36&lesson=37)

Image Histograms and statistics (unit? unit=36&lesson=38)

Assignment 6

The due date for submitting this assignment has passed. **Due on 2019-10-09, 23:59 IST.**
As per our records you have not submitted this assignment.

1) Which type of sensors provide their own energy source for illumination:

1 point

- Active
- Passive
- Hyperspectral
- Multispectral

No, the answer is incorrect.
Score: 0

Accepted Answers:
Active

2) In which colour combination, additive colour scheme is used?

1 point

- CMYK
- HIS
- RGB
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
RGB

3) At a given altitude of sensors, larger IFOV covers smaller area on the Earth's surface and vice versa.

1 point

- True

Geometric transformations /Georeferencing Technique (unit? unit=36&lesson=39)

Image enhancement techniques –I (unit? unit=36&lesson=40)

Image enhancement techniques -II (unit? unit=36&lesson=41)

Quiz :
Assignment 6
(assessment?
name=67)

WEEK -7

WEEK-8

FEEDBACK FORM

False

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

4) Along-track scanners are relatively better than across-track scanners in terms of: **1 point**

- Image quality
 Spatial resolution
 Radiometric resolution
 All of above

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

5) RADAR system is an example of: **1 point**

- Passive remote sensor
 Active remote sensor
 Thermal sensor
 None of Above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Active remote sensor

6) A microwave remote sensor can acquire "cloud-free" images of an area when it is covered under cloud. **1 point**

- True
 False

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

7) A thermal sensor can acquire "cloud-free" images of an area when it is covered under cloud. **1 point**

- True
 False

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

8) In which colour combination, subtractive colour scheme is used? **1 point**

- CMYK
 HIS
 RGB
 None of the above

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

9) RGB colour scheme is used for:

1 point

- Printing
- Display
- Reproduction
- All of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Display

10) CMYK colour scheme is used for:

1 point

- Printing
- Display
- Reproduction
- All of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Printing