

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 10 - WEEK-8

Course
outline

How to access
the portal

Model
Assignment

WEEK-1

WEEK-2

WEEK-3

WEEK-4

WEEK-5

WEEK-6

WEEK -7

WEEK-8

- Principles of image interpretation (unit? unit=48&lesson=49)

Assignment 8

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

1) Base of image pyramid contains:

1 point

- Low resolution
- High resolution
- Intensity
- Blurred portion

No, the answer is incorrect.
Score: 0

Accepted Answers:
High resolution

2) The High pass filters highlight:

1 point

- Low intensity components
- Mid intensity components
- High intensity components
- All components

No, the answer is incorrect.
Score: 0

Accepted Answers:
High intensity components

3) In the process of image classification, which of the following methods results in a greater accuracy of classes within an image actually matching land use patterns on the ground?

1 point

- Manual/supervised by a user

- SAR Interferometry (InSAR) Technique (unit? unit=48&lesson=50)
- Image merging and mosaicking techniques (unit? unit=48&lesson=51)
- Applications of Image Analysis (unit? unit=48&lesson=52)
- Limitations and future of Digital Image Processing Technique (unit? unit=48&lesson=53)
- Quiz : Assignment 8 (assessment? name=69)**

FEEDBACK FORM

- Robotic classification
- Fully automated
- Unprocessed image interpretation

No, the answer is incorrect.
Score: 0

Accepted Answers:
Manual/supervised by a user

4) In which technique, histogram of the original image is redistributed to produce a uniform population density: **1 point**

- Linear contrast stretch
- Non-linear contrast stretch
- Histogram equalization
- Gamma stretch

No, the answer is incorrect.
Score: 0

Accepted Answers:
Histogram equalization

5) An image enhancement technique that attempts to improve the contrast in an image by 'stretching' the range of intensity values it contains to span a desired range of values is called? **1 point**

- Non-histogram Equalization
- Non-linear contrast stretching
- Histogram Equalization
- Linear contrast stretching

No, the answer is incorrect.
Score: 0

Accepted Answers:
Linear contrast stretching

6) The distance between the two satellites (or orbits) in the plane perpendicular to the orbit is called the interferometer: **1 point**

- Polyline
- Vector
- Line
- Baseline

No, the answer is incorrect.
Score: 0

Accepted Answers:
Baseline

7) Multi-sensor image..... is the process of combining relevant information from two or more images into a single image: **1 point**

- Mosaic
- Fusion
- Collage
- Assortment

No, the answer is incorrect.
Score: 0

Accepted Answers:
Fusion

8) Different rows of a RADAR image are associated with different:

1 point

- Intensity
- Slant range location
- Azimuth location
- Elevation

No, the answer is incorrect.

Score: 0

Accepted Answers:

Azimuth location

9) Each colour cycle in a SAR interferogram represents elevation difference of:

1 point

- λ
- 2λ
- $\lambda/2$
- $2/\lambda$

No, the answer is incorrect.

Score: 0

Accepted Answers:

$\lambda/2$

10) Shadows in a satellite image often _____ to calculate height of an object.

1 point

- Assist
- Hinder
- Do not affect
- Aggravate

No, the answer is incorrect.

Score: 0

Accepted Answers:

Assist