X

NPTEL

Courses » Introduction to Remote Sensing

Announcements   **Course**   Ask a Question   Progress   FAQ

Unit 6 - Week 4

Course outline

How to access the portal

Model Assignment

Week 1

Week 2

Week 3

Week 4

- Image Classification Techniques
- InSAR Techniques in its applications
- Hyperspectral Remote Sensing
- Integrated applications of RS and GIS in groundwater studies
- Limitations of Remote Sensing Techniques
- Quiz :

Assignment 4

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-02-27, 23:59 IST

1) What is the purpose of image classification?   *1 point*

- ◯ Landuse and landcover mapping
- ◯ Lithological mapping
- ◯ Alteration mapping
- ◯ All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

2) Unsupervised image classification technique?   *1 point*

- ◯ Pixel categorization being supervised
- ◯ Aggregates pixels into natural spectral groupings/clusters
- ◯ Use training sets as numerical interpretation keys
- ◯ Based on "look like most" concept

No, the answer is incorrect.
Score: 0

Accepted Answers:
Aggregates pixels into natural spectral groupings/clusters

3) Supervised classification technique is based on?   *1 point*

- ◯ Minimum distance to means classification (Chain Method) algorithm
- ◯ Gaussian Maximum likelihood algorithm
- ◯ Parallelpiped algorithm
- ◯ All of the above

Session

ce De

○ Manual/supervised by a user

○ Robotic classification

○ Fully automated

○ Unprocessed image interpretation

No, the answer is incorrect.
Score: 0

Accepted Answers:
Manual/supervised by a user

5) Which is first step in digital image processing: **1 pc**

○ Spatial filtering

○ Image acquisition

○ Image enhancement

○ Image restoration

No, the answer is incorrect.
Score: 0

Accepted Answers:
Image acquisition

6) Which colour is having largest wavelength in visible spectrum? **1 point**

○ Red

○ Blue

○ Green

○ Yellow

No, the answer is incorrect.
Score: 0

Accepted Answers:
Red

7) Microwave (1cm - 1m in wavelength) remote sensing encompasses _____ forms of remote **1 point**
sensing

○ Active

○ Both active and passive

○ Passive

○ None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Both active and passive

8) For edge detection which spatial filter would be most suitable? **1 point**

○ Gaussian

○ Laplacian

○ Low-pass

○ None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Laplacian

9) Filter that replaces pixel value with medians of intensity levels is   ***1 point***

- ⬡ Arithmetic mean filter
- ⬡ Geometric mean filter
- ⬡ Median filter
- ⬡ Sequence mean filter

No, the answer is incorrect.
Score: 0

Accepted Answers:
Median filter

10) Base of image pyramid contains: ***1 po***

- ⬡ Low resolution
- ⬡ High resolution
- ⬡ Intensity
- ⬡ Blurred portion

No, the answer is incorrect.
Score: 0

Accepted Answers:
High resolution

Previous Page   End