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

No, the answer is incorrect.
Score: 0
Accepted Answers:
Minimum distance to means classification (Chain Method) algorithm

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   - Landuse and landcover mapping
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Accepted Answers:
Minimum distance to means classification (Chain Method) algorithm
5) Which is first step in digital image processing:  
- 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?  
- 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 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?  
- Gaussian  
- Laplacian  
- Low-pass  
- None of the above

No, the answer is incorrect.  
Score: 0
9) Filter that replaces pixel value with medians of intensity levels is

- 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:

- Low resolution
- High resolution
- Intensity
- Blurred portion

No, the answer is incorrect.
Score: 0

Accepted Answers:
- High resolution