Assignment 5

The following are the instructions for this assignment.

1. How do overlay operations work?
   - Boolean Logic
   - Deductive
   - Inductive
   - All of the above
   - No, the answer is incorrect.
   - Accepted Answers: Boolean Logic

2. The intersection of A and B is the set that contains all elements of A that also belong to B.
   - True
   - False
   - No change
   - None of the above
   - No, the answer is incorrect.
   - Accepted Answers: True

3. Which overlay operation has been applied in the following figure?
   - Clip
   - Intersect
   - Diff
   - All of the above
   - No, the answer is incorrect.
   - Accepted Answers: All of the above

4. Which vector feature has been converted?
   - Water
   - Grass
   - None of the above
   - No, the answer is incorrect.
   - Accepted Answers: Water

5. Which is a vector-based overlay operation?
   - Algebraic
   - Relational
   - Conditional
   - All of the above
   - No, the answer is incorrect.
   - Accepted Answers: All of the above

6. Which vector feature can have centroids?
   - Polyline
   - Polygon
   - None of the above
   - No, the answer is incorrect.
   - Accepted Answers: Polygon

7. Which is a neighborhood operation?
   - Relationship functions
   - Topological functions
   - Boolean functions
   - All of the above
   - No, the answer is incorrect.
   - Accepted Answers: All of the above

8. Evaluation of characteristics of an area surrounding a specific location is known as:
   - Neighborhood
   - Composition
   - Merger
   - No, the answer is incorrect.
   - Accepted Answers: Neighborhood

9. Neighborhood operations involve the creation of new data, based on the consideration of:
   - Kernel
   - Pyramid window
   - Moving window
   - All of the above
   - No, the answer is incorrect.
   - Accepted Answers: All of the above

10. In which operation is it necessary to indicate one or more target locations, the neighborhood considered around each target and the type of function to be executed on the attribute values within the neighborhood?
   - Interative functions
   - Topological functions
   - Boolean functions
   - All of the above
   - No, the answer is incorrect.
   - Accepted Answers: All of the above