

Sample Test Questions

Forestry:

1. Water availability and _____ of the growing season are the two main factors affecting tree ring width:
 - A. Pollution
 - B. Warmth (X)
 - C. Stress
 - D. None of the above

2. _____ establishes new growth in an open space created by natural or artificial disturbance. (**Regeneration**)

Hands-On Portion Sample Question

3. Identify the trees marked with flagging corresponding to the tree number assigned.

Tree#	Common Name	Tree#	Scientific Name
1	_____	6	_____
2	_____	7	_____
3	_____	8	_____
4	_____	9	_____
5	_____	10	_____

Soils:

1. Soil profile development and horizon characteristics are mainly determined by which 5 soil forming factors? (**5 points**)

Parent material (source material), time, slope (topography/relief), climate, biota (organisms)

2. Match each type of soil structure to the appropriate description. Write the number of the description in the blank next to the structure type. (**5 points**)

___ 2 ___ granular	1. vertical axis of aggregates longer than horizontal
___ 4 ___ platy	2. roughly spherical
___ 5 ___ blocky	3. prisms with rounded tops
___ 3 ___ columnar	4. laminated
___ 1 ___ prismatic	5. roughly cube-shaped

Aquatics:

1. What is the ratio of atmospheric moisture provided by oceans compared to plant transpiration? (2 point)
 - a. 70:30
 - b. 60:40
 - c. **90:10**
 - d. 50:50

2. Name the 3 “ology’s” that make up the physical template of watershed ecology: (6 points)
 1. Climatology

 2. Geology

 3. Hydrology

3. States must establish TMDL levels under what law? (2 point)
 - a. **Clean Water Act**
 - b. Coastal Zone Management Act
 - c. National Environmental Policy Act
 - d. Safe Drinking Water Act

Wildlife:

1. Match each mammal type to the correct description of teeth composition: (4pts)
C Carnivore A Herbivore B Omnivore
 - A. Have well developed flat premolars & molars, often with sharp ridges on top. Generally do not have canine teeth.
 - B. Have a variety of all kinds of teeth.
 - C. Tend to have long canines and sharp molars toward the back of the mouth.

2. Using the photos provided on the table, identify these 6 species of Nongame Birds: (1pt. each)
 - A. Carolina Wren _____
 - B. Northern Mockingbird _____
 - C. Song Sparrow _____
 - D. Screech Owl _____
 - E. Tufted Titmouse _____
 - F. Barred Owl _____

