

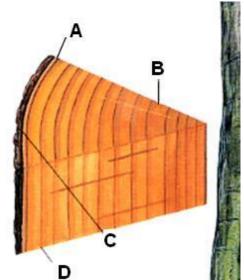
2017 Forestry Exam

| on . 2017 5. '17 | | TEAM: | | Score total: | /82 | |
|---------------------|----------------------------|--|-------|----------------------|--------------|--|
| | | | | | | |
| 1. | federal g a. U b. U | ted States Forest Service (USFS) is an age government. What Department is the USF U.S. Department of the Interior U.S. Department of Agriculture U.S. Department of Defense | • | | 1 point | ich of the |
| 2. | to alder of a. T b. C. S | tural process does the following describe or salmonberry to douglas fir to shade to Chinning Disturbance Succession Chronosequence | | | to herbs or | grasses |
| 3. | rainfores a. C b. P s c. M | f the following are NOT characteristics of the environment? Over 100 annual inches of rain Presence of "buttresses" (i.e. large winged pindly roots in trees living in often-floode Moderate temperatures, seldom drops beloarely exceed 80°F. | ribs | at the base of reas. | tree trunks |) and ighs |
| 4. | | e traditional Coast Salish uses of the Wes | tern | Red Cedar | | 1 point for each answer (not to exceed 3 points) |
| 5. | | e blank 12 points (2 each) is when a tree or trees is uprooted by | oy th | ne wind. | | |
| 6. | | onym DBH stands for | | | | |
| 7. | | oots and leaves of woody plants that serv | | | ife is refer | red to as |

| 8. | A is a tree that is a gymnosperm, usually evergreen, with cones and needle-shaped or scale-like leaves. | | | | | |
|--|---|--|--|--|--|--|
| 9. | The practice of is to kill a tree by severing or damaging the cambium layer and interrupting the flow of food between the leaves and the rest of the tree. | | | | | |
| 10 | . A strip of land maintained clear of trees and woody fuel used to stop or control the spread of fire is called a | | | | | |
| 11 | . Individuals of the three species of Bristlecone Pine have been identified as some of the oldest living terrestrial organisms on Earth, with trunks dating back up to 5,000 years. These trees are found just below tree line, at elevations between 5,600 and 11,200 feet in the rugged mountains of Colorado, California and the Great Basin, areas that receive only a few inches of precipitation annually. How might the conditions these trees live in relate to their longevity? | | | | | |
| | | | | | | |
| 12. Cutting in immature stands in order to stimulate the growth of the trees that remain and to increase the total yield is called what? a. Understory cutting b. Clearing c. Thinning d. Ecological removal | | | | | | |
| 13 | . Circle all of the following that are native evergreen trees in the Pacific Northwest: a. Western hemlock b. Fraser fir c. Douglas fir d. Eucalyptus e. Sitka sprice f. Bigleaf maple g. Swamp white oak h. Red alder i. Shore pine | | | | | |

14. Identify the different layers of tree growth:

8 points (2 for each correct answer)



Sapwood _____

Cambium _____

Heartwood_____

Bark____

15. Forests have five layers. Put them in order vertically from top to bottom.

- 1.
- 2.
- 3.
- 4.
- 5.

- A. Understory
- B. Forest Floor
- C. Canopy
- D. Herb Layer
- E. Shrub Layer

16. A plant that grows harmlessly upon another plant (such as a tree) and derives its moisture and nutrients from the air, rain, and sometimes from debris accumulating around it is called what?

- A. Epiphyte
- B. Parasite
- C. Angiosperm

4 points

6 points

| onsidered. | |
|---|----------------|
| Benefits: | 2 points |
| | |
| Detriments: | |
| | 2 points |
| 8. Use the field guide to correctly identify the 3 conifer samples provided 6 poi | nts (2 each) |
| 1 | |
| 2 | |
| 3 | |
| O. Use the field guide to correctly identify the four woody plants flagged at this station is a point (2 e | |
| 2 | |
| 3 | |
| 4 | |
| D. Based on what you learned in the field guide and your observations of this site, extended the confers in this location | xplain the 6 p |
| | |
| | |
| | |
| | |
| 3ONUS QUESTION: Identify the bonus tree branch sample 2 points): | |

17. Name two benefits and two detriments of wildfire. All reasonable answers will be