

KEY

School/Team Name _____ Student Names _____ Forestry Brookwood Invitational 2013

Station 1

Identify the specimen (1):

1. Common Name Eastern Redbud
2. Scientific Name Cercis canadensis
3. What other plant is a member of the same family? B Soy
 - a. Tomato
 - b. Soy
 - c. Corn
 - d. Lemon
 - e. Agave

Question:

4. In what habitat is this tree commonly found? * understory of open woods
or * valleys
or * bottomlands

Station 2

Identify specimen (2a):

5. Common Name Sycamore
6. Scientific Name Platanus occidentalis

Identify specimen (2b):

7. Common Name Common Persimmon
8. Scientific Name Diospyros virginiana

Question:

9. Which of these two specimens produce a fruit that is commonly used in food preparation? Persimmon

Station 3

Identify the specimen (3):

10. Common Name Ginkgo
11. Scientific Name Ginkgo biloba

Question:

12. How does this type of tree reproduce? * trees are male or female
* motile sperm such as cycads, ferns, mosses + algae
13. What is the economical value of this tree? * medicine or * homeopathic medicine
* or folk medicine * or memory enhancer

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Station 4:

Identify the specimen (4a):

14. Common Name American Beech
15. Scientific Name Fagus grandifolia

Identify the specimen (4b):

16. Common Name Red Mulberry
17. Scientific Name Morus rubra

Question:

18. In which stage of succession will tree specimen 4a commonly be found? * late stages

or * final stages
or * last stages

Station 5

Identify the specimen (5a):

19. Common Name Tulip Poplar
20. Scientific Name Liriodendron tulipifera

Identify the specimen (5b):

21. Common Name Sweet Gum
22. Scientific Name Liquidambar styraciflua

Question:

23. Why is specimen 5a considered to be a very valuable timber tree? * fast growing or * strong wood

or * long lifespan or * tall + straight
or * high branches

Station 6

Identify the specimen (6a):

24. Common Name Flowering Dogwood
25. Scientific Name Cornus florida

Identify the specimen (6b):

26. Common Name Southern Magnolia
27. Scientific Name Magnolia grandiflora

Question:

28. What common commercial use do these two specimens serve? * ornamental

or * landscaping
or * beautification

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Station 7

Identify the specimen (7a):

29. Common Name Loblolly Pine

30. Scientific Name Pinus strobus

Identify the specimen (7b):

31. Common Name Eastern White Pine

32. Scientific Name Pinus taeda

Question:

33. What characteristics allow these types of trees (7a and 7b) to be tolerant of long, cold winters?

Needle structure allows them to decrease water loss so they can photosynthesize through winter.

Station 8

Identify the specimen (8):

34. Common Name Red Maple

35. Scientific Name Acer rubrum

Question:

36. Why is this tree not planted in the same grazing fields as horses? toxic (or poisonous) to horses

37. What word best describes the venation of the leaves? palmate

Station 9

Identify the specimen (9a):

38. Common Name Southern Red Oak

39. Scientific Name Quercus falcate

Identify the specimen (9b):

40. Common Name Chestnut Oak

41. Scientific Name Quercus prinus

Question:

42. What type of margins do the leaves of specimen 9a have? lobed

43. What type of margins do the leaves of specimen 9b have? *sinuate or *serrate or *dentate

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Station 10

Identify the specimen (10):

44. Common Name Eastern Hemlock

45. Scientific Name Tsuga canadensis

Question:

46. Identify the pest that can be seen on this specimen and is seen magnified in the picture. *woolly adelgid
Or * woolly aphid
Or * Adelges tsugae

Station 11

Identify the specimen (11a):

47. Common Name Black Walnut

48. Scientific Name Juglans nigra

Identify the specimen (11b):

49. Common Name Pecan

50. Scientific Name Carya illinoensis

Question:

51. Which of these two specimens produces a common agricultural commodity for Georgia? Pecan (^{Carya}illinoensis)

52. What type of leaf do both of the specimens have? Compound

Station 12

Identify specimen (12a):

53. Common Name * Ailanthus or * Tree of Heaven

54. Scientific Name Ailanthus altissima

Identify specimen (12b):

55. Common Name Smooth Sumac

56. Scientific Name Rhus glabra

Question:

57. One of these species belongs in a category with privet, English ivy, kudzu, and the princess tree. What is the name of the category? * Invasive species or * exotic species or * non-native species

58. Which of these two specimens belong in that category? Ailanthus

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Station 13

Identify the specimen (13):

59. Common Name American Chestnut

60. Scientific Name Castanea dentata

Question:

61. What is the common name of the fungus that has caused the decline of this tree? chestnut blight

Station 14

Identify the specimen (14):

62. Common Name American Holly

63. Scientific Name Ilex opaca

Question:

64. Name an ecological service that this specimen provides? * berries (food) for songbirds
* or protection from predators and/or storms

Station 15

Identify the specimen (15):

65. Common Name Slippery Elm

66. Scientific Name Ulmus rubra

Question:

67. Which part of this tree is used as a demulcent- used to soothe irritated mucous membranes? inner bark