

FFA FORESTRY CDE NM BMP STUDY QUESTIONS

1. What is an arroyo?
2. Harvesting methods should be selected to meet _____ and should reflect _____.
3. Surface streams that flow year-round are called _____ streams.
4. Slash treatment methods include:
5. The seed tree cut method is designed to establish an _____ stand.
6. What four benefits does a healthy streamside management area provide to the watershed?
7. A stream that disappears underground and then reappears downstream is called a(n) _____ stream.
8. Name the five main watersheds in New Mexico.
9. What are the three different types of cuttings involved in a shelterwood method?
10. Explain two impacts road construction can have on a watershed.
11. Noxious weeds may cause:
12. Explain two situations where patch cuts would be acceptable in ponderosa pine.
13. In mixed conifer stands the selection system helps prevent the residual trees from _____.
14. Waterlogged soils that support riparian plant growth are called _____.
15. Explain what the streamside management area is.
16. What is the function of a streamside management area?
17. Selection cut method is designed to create or maintain _____ stands in which there are at least _____ distinct age classes.
18. Streams that flow only in response to precipitation are called _____ streams.
19. What problems can too much sediment in a stream cause?
20. What benefit do trees and overhanging shrubs provide the streamside management area?
21. Should snags and unmerchantable trees be left or cut in a streamside management area? Why or why not?
22. A parcel of land has the following trees on it. Determine the square-feet of BA per-acre for the area. 10 trees with DBH of 8", 2 trees with DBH of 12", and 3 trees with DBH of 14"

23. Give two economic reasons why thinning could be used as a forest management tool.
24. What is the maximum stump height of cut trees during a thinning or a harvest.
25. What are the four types of harvesting methods commonly used in New Mexico?
26. The harvesting method that removes all of the trees in a given area and the area is artificially or naturally reforested is called _____.
27. Timber harvest design must take into account long-term effects of the harvest on _____.
28. What does BMP stand for?
29. What are some of the desired results of proper harvesting practices?
30. What is optimum stocking?
31. In the shelterwood method reproduction is established _____ the shelter portion of the old stand.
32. What is a "leave tree"?
33. A _____ is any plant that interferes with the management objectives for a particular site.
34. _____ and _____ trees should be removed to make room for the more vigorous trees.
35. When a person plants trees they are making a _____ investment.
36. Leave trees should be free from _____ and _____.
37. Why is it important to move slash away from the base of a leave tree?
38. What is the maximum depth for chips?
39. _____ is the water ditch system used in agricultural irrigation to move water from streams and rivers to fields.
40. The selection of the harvest method to be used depends on the _____.
41. What are the three characteristics of a wetland?
42. Why should patch cuts be irregularly shaped?
43. For optimal survival when should containerized seedlings be planted?
44. Disadvantages of slash include:
45. Seed trees should be _____.

46. What are the four steps to follow when developing a weed management program?
47. Aspen need plenty of light to regenerate and the seedlings sprout from suckers so _____ works very well for this species.
48. What is the definition of a wash?
49. Why should seed trees be healthy specimen?
50. What are some of the disadvantages of seed tree cuts?
51. How is winter logging beneficial?
52. _____ are plants capable of growing in water or waterlogged soils/substrates.
53. In spruce-fir stands individual selection "is" or "is not" recommended?
54. Why does the selection cut system reduce the risk of losing the entire stand at once?
55. What is one disadvantage to selection cut systems?
56. The shelterwood cut method involves the _____ removal of the entire stand in a series of _____ cuttings which may extend over the entire rotation.
57. What are the two types of seedling stock that may be available for planting?
58. Mitigation measures such as _____ and _____ reduce erosion on skid trails.
59. Avoid tractor or wheeled skidding on _____, _____ or _____ soils and on slopes that exceed _____%.
60. A light ground cover of _____ or _____ will retard erosion.
61. Mistreatment of seedlings can mean high seedling _____.
62. What are the five types of mechanical harvesting?
63. What is one of the disadvantages of winter logging?
64. What is slash?
65. Slash can be either beneficial or detrimental to the productivity of the site depending on what?
66. Besides the relative position of the tree, the condition of the crown, the straightness of the trunk, whether the tree is diseased or has damage what else should be considered when determining what trees should be left after a thinning project.
67. Advantages of slash include:

68. Streams that only flow part of a year, typically in response to snowmelt are called _____ streams.
69. The important factors considered concerning a prescribed fire include:
70. The three ways to reforest an area are:
71. The first consideration for a successful reforestation attempt is _____.
72. What elements determine water quality?
73. Seedlings planted on a site should be grown from a _____ seed source so they will be genetically compatible with the area where they will be planted.
74. The area where two different plant groups come together is called an _____.
75. Local seed sources will insure maximum _____ and _____.
76. Advanced planning for planting projects include:
77. Seedlings must be kept _____ and _____ when stored prior to planting.
78. Tearing small root hairs can subject seedlings to _____ infections.
79. Bareroot seedlings do best when planted in the _____ from _____ to _____.
80. When planting, what should be done if a planting site is poor and you expect numerous trees to die?
81. What are some of the causes of seedling mortality?
82. What is the definition of a noxious weed?
83. Should skid trails be constructed cross slope or up/down slope?