1. Although it can be difficult to place a dollar value on the recreational activities that take place in a city park, assume that you must do so in order to “persuade” the City of Davis to continue to maintain (the costs) the Oak Grove Park in North East Davis. Consider three recreational activities that take place in this park and explain how you would go about “estimating” a $ value for that activity.

   A. Activity 1 ________________
   B. Activity 2 ________________
   C. Activity 3 ________________

2. Discuss changes in (a) the total number of street trees and (b) street trees per capita, (c) the total number of park trees, and (d) the number of park trees per capita, in California in the late 20th century?

3. In our Davis Field Trip we saw that the City has modified The Storm Drainage Ponds into Nature Areas in the Northstar Park. Discuss the various activities supported in this park and consider possible conflicts between activities.

4. It has been suggested that increased Diversity of the Urban Forest would lead to increased Stability of the Urban Forest, as has been suggested for Natural Forests. Compare the nature of the Diversity in an Urban Forest with that in a Natural (Non Urban) Forest and explain how these differences can effect Stability.

5. What rules of thumb have been suggested for the maintenance of tree diversity in a healthy Urban Forest.

6. What is meant by the term ‘early childhood experience’ and what consequence might it have for urban forest diversity?

7. What was the first major planting of street trees on the UC Davis campus (then the University Farm) and when were these trees installed?
8. What relationship did Joe McBride find between diversity in his urban forest study sites (cities) and the diversity of naturally occurring biomes in the regions where these urban forests occurred?

9. What factors do you think will lead to Urban Forest Stability?

10. Compare the pruning practices in Santa Monica with those in Modesto. Explain their effects on benefits and costs, and on tree longevity.

11. In the Full Stocking Formula,

\[ N = \left( \frac{R + V}{G} \right) / S, \]

where

- \( N \) is the number of trees to plant each year,
- \( R \) is the number of trees removed last year,
- \( V \) is the number of vacant tree sites now,
- \( G \) is the number of years to reach Full Stocking,
- \( S \) is the survival rate of newly planted trees.

How long will it take to reach full stocking if a city has 1,200 vacant tree sites, removed 200 trees last year and plans to plant 800 trees each year of a species that has a survival rate of 50%?

12. What tree shapes were found by Summit and Sommer to be preferred? What was the effect of the tree’s surrounding?

13. What does Roger Ulrich’s work with hospitals tell us about Urban Forest Design?

14. How does the UC Davis Arboretum define an “All Star”?

15. How does the UC Davis Arboretum determine which interpretive signs will be placed in the Arboretum?

17. What is an ideal street tree spacing for large deciduous trees in Davis? Discuss the problems of spacing too close observed by Paula Peper in Sacramento.

18. The number of street trees in the US per capita declined over the 20th Century. Discuss 5 reasons for this per capita decline.

19. Industrialization has led to a decline in the quality of the Urban Environment. Discuss social attitudes of this period that contributed to the decline.

20. How do attitudes of urban people vary toward nature and how are these attitudes related to Urban Forestry?

21. Horticultural Therapy programs were divided by Haller into Vocational, Therapeutic, and Social. Which type of program is the Santa Cruz Homeless Garden Project? Explain your reasoning.

22. Given an example of how religion plays a role in the preference for certain trees and how this preference is manifest in the urban forest.

23. Discuss tree diversity, tree condition, and age structure of the UC Davis Urban Forest.

24. Of the existing tree population on the UC Davis campus, what are the three most planted trees? Why were these three trees so heavily used (traits people liked), and what do they now have in common?

25. Palms were originally planted in front of North and South Halls but are not seen in photos dating after the late 1920s. What do you think happened to these palms? Why?