OBAFEMI AWOLOWO UNIVERSITY, ILE-IFE
B. AGRIC.(PLANT SCIENCE)
FACULTY OF AGRICULTURE
RAIN SEMESTER EXAMINATIONS 1989/90 SESSION
PSC 510 — PRINCIPLES OF WEED CONTROL

SEPTEMBER, 1990   TIME ALLOWED: 2 HOURS

ANSWER ALL QUESTIONS.

1. List 3 broad ways in which weeds can be classified.
    Discuss the basis of each classification and give
    appropriate examples (20 marks)

2. Uncontrolled weed growth causes losses in crop
    production. These losses have been variously
    estimated in the common agronomic crops. Provide
    estimates of yield losses due to uncontrolled weed
    growth in Maize, Dryland rice, cowpea, cassava and
    yam. (10 marks)

3. Discuss how the following agronomic practices affect
    the weed flora on a farm.

    a) crop rotation

    b) Nitrogen and other fertilizer

    c) Mechanisation   (15 marks)

4. List three methods of weed control in agronomic
    row crops. Discuss each of them giving their
    characteristics and disadvantages. (25 marks)

5. Give the common names and structures of two members of
    each of the following herbicide groups:

    Amides
    Benzoics
    Dinitroanilines
    Phenoxys
    Triazines
    Sulphonyl urea
    urea   (20 marks)

6. What are the methods of control available for
    aquatic weeds? Discuss the advantages and the
    disadvantages of each method. How can you minimize
    the potential pollution resulting from the use of
    herbicides for the control of aquatic weeds?

                    (10 marks)