



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP AND SOIL SCIENCES**

EXAMINATION: SECOND SEMESTER POP EXAMINATION OCTOBER 2109_2

COURSE TITLE: ARABLE CROPS PRODUCTION

COURSE CODE: CRP309

TOTAL SCORE: 70 MARKS

TIME ALLOWED: 2hours

INSTRUCTION: Answer FOUR Questions in all.

Question 1 is compulsory (25marks) and any three questions (15 marks each)

Question 1.

In the context of the course materials briefly explain the following;

(i) Weeding.(ii) Mulching (iii) Thinning (iv) Supplying (v) Pruning (vi) Staking (25marks)

Question2

- a) List any five fertilizer types used on arable crop production. (5marks)
- b) Identify any five simple farm tools used in arable crop production. (5marks)
- c) Discuss the Black spot disease of cotton under the caption of symptom (5marks)

Question 3

- a) List five uses of Tobacco (5marks)
- b) Discuss the establishment of tobacco by giving the following information
 - i) Soil requirement ii) climatic requirement iii) spacing/planting iv) planting material. (10marks)

Question4

- a) List any five tuber crops. (5marks)
- b) List five varieties of cassava. (5marks)
- c) Discuss sorghum production by giving the following information;
 - ii) Soil requirement and ii) climatic requirement (5marks)

Question5

- a) List any 5 leguminous crops.(5marks)

- b) Outline cowpea production under the Soil requirement conditions. (2marks)
- c) List symptoms of NPK deficiency in cowpea.(8marks)

Question 6

- a) List any 5 crops under the cereal/grass family (5marks)
- b) Discuss sorghum production by giving the following information
 - i) Soil requirement ii) rainfall requirement iii) spacing iv) seed rate (5marks)
- c) State five reasons that make sorghum well adapted to dry region.(5marks)