



**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: ACP 301**

**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.**

Write a short explanatory note on any five of the following

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

**Question2**

- 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)

**Question 3**

- 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)

**Question4**

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

**Question5**

- a) List five uses of Tobacco (5marks)

- b) Discuss establishment of tobacco by giving the following information
- ii) Soil requirement
  - ii) climatic requirement
  - iii) spacing/planting
  - iv) planting material. (10marks)

**Question 6**

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