

NATIONAL OPEN UNIVERSITY OF NIGERIA SCHOOL OF SCIENCE AND TECHNOLOGY

AGRIC ECOMOMICS AND EXTESION END OF COURSE EXAMINATION

COURSE TITLE: ARABLE CROP PRODUCTION (ACP301)

INSTUCTION: ANSWER ANY FOUR QUESTIONS IN TWO HOURS

All Questions weighs 15 marks

Total marks obtainable=60

Question 1

Describe the production of annual crops under the following headlines

(i) Staking (ii) Weeding (iii) Thinning (iv) supplying, (v) Pruning

Question2

- I) List any six fertiliser types used on annual/ arable fields
- II) List any six herbicides used for weed control
- III) List any six tools used in the production of annual crops
- IV) Write an explanatory note on how crop or field rotation can improve crop yield.

Question3

- a) List any five crops in the family Gramineae using botanical names on
- b) List the varieties of maize and write a short descriptive note on each
- c) Describe maize production under the following headline.
 - *i*) Climatic requirement
 - ii) Soil type
 - iii) Field establishment(sowing date, sowing depth, seed rate, spacing)

Question 4

- a) List any five crops in the family Pulses using botanical names
- b)
- I) List any 3 insect pests of cowpea
- II) List any 3 diseases of cowpea
- III) List any 3 special botanical features of leguminous crops

C)Describe the production of cowpea under the following headlines

- i) Climatic requirement
- ii) Soil type
- c) Field establishment(sowing date, sowing depth, seed rate, spacing)

Question 5

- a) List, using botanical name, to identify crops that falls under the category called root and tubers
- b) Discuss cassava production under the following subjects
 - i) preparation of planting material
 - ii) Sowing and sowing date
 - iii) Climatic requirement
 - iv) List one insect pest, disease and rodent pest of cassava

Question 6

- a) List any 3 crops that are produced for the sake of their fibre value
- b) List the 2 species of cotton grown in Nigeria
- c) Discuss cotton production under the following heading
 - I) Soil and climatic requirement
 - II) Crop establishment
 - III) Legislative pest control on cotton