



NATIONAL OPEN UNIVERSITY OF NIGERIA
91, CADASTRAL ZONE, UNIVERSITY VILLAGE, JABI, ABUJA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP AND SOIL SCIENCES
2020_2 SEMESTER EXAMINATION

EXAMINATION: SECOND SEMESTER EXAMINATION 2020_2

COURSE: ARABLE CROP PRODUCTION

COURSE CODE: ACP301

TOTAL SCORE: 70 MARKS

TIME ALLOWED: 2hours 30 minutes

INSTRUCTION: Answer FOUR Questions in all. Question 1 is compulsory (25marks) and any three questions (15 marks each)

Question

1.

- a) Give a description of annual crops according to
 - (i) Longevity/life span (ii) Growth pattern/ crop architecture
- b) Classify annual crops according to uses.
- c) State at least one industrial use of any five annual crops
- d) List any five cultural practices on the farm

2.

- a) List (using the scientific names only of) any two arable crops in each category of uses.
- b) List any two crops in the category of (i) annual (ii) bi-annual crops
- c) Write short notes on the following:
 - (i) Sexual reproduction
 - (ii) Asexual reproduction

3.

- a) List any five climatic factors to be considered in setting up an arable field
- b) List any five edaphic factors to be considered in setting up an arable field.
- c) Explain the advantages of having a good seed bed preparation

4.

- a) Write a short explanatory notes on each of the following
 - (i) Weeding. (ii) Mulching (iii) Thinning (iv) Supplying (v) Pruning (vi) Staking
- b) State any 2 groups of organisms causing plant diseases or reduction in crop yield.

5.

- a) List any four mineral fertilisers used in the production of arable crop.

- b) Identify all the elements found in fertiliser
 - c) Describe four methods of fertiliser application
- 6.
- a) Describe harvesting and Four tools for harvesting.
 - b) List four harvest indices
 - c) Describe Four primary processing methods