



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi, Abuja

Faculty agricultural Sciences

October/November, 2016

Course Code: ACP 301

Course Title: ARABLE CROP PRODUCTION

Credit Unit: 2

Time Allowed: 2 Hours

INSTRUCTION: Answer any FOUR (4) questions. All questions carry equal marks.

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) Use Scientific names only to list at least any two crops that can be propagated using (i) sexual and (ii) a-sexual processes.

Question Two

- 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 note on the following: (i) Sexual reproduction (ii) Asexual reproduction

Question Three

- a) List any five climatic 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

Question four.

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

Question five

- a) List any four mineral fertilisers used in the production of arable crop.
- b) Elements found in fertiliser.
- c) Describe four methods of fertiliser application

Question six

- a) Describe harvesting.
- ii) Four tools for harvesting b) List of four harvest indices c) Four primary processing methods.