



NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
JUNE/JULY EXAMINATION

COURSE CODE: ACP 301

COURSE TITLE: ARABLE CROPS PRODUCTION

TIME ALLOWED: 2 HOURS

INSTRUCTION: Answer Question One which is compulsory and any other three.
Answer Four Questions in 2 hours.

Question One

- a) Describe annual crop according to
 - i) Longevity. ii) Pattern of growth
- b) Classify annual crops according to taxonomic classes or groups/ uses.
- c) Using botanical names only, list 3 annual crops each that can be propagated by
 - i) Sexual and ii) asexual means

Question Two

- a) List any two annual crops in each of the provided class
 - i) Cereals ii) Fibre iii) Legumes iv) Root/tuber
- b) List any two annual crops in each of the provided class
 - i) annual i) bi- annual iii) perennial
- c) Write short note on i) sexual ii) asexual mode of propagation

Question Three

- a) List any five climatic factors you would consider to set up a field of annual crops
- b) List any five soil factors you will consider in setting up a field of annual crops
- c) Write a short descriptive note on the importance of land preparation in crop production.

Question Four

Write a short note on the following cultural practices.

- a) i) Weeding ii) mulching iii) Thinning iv) Supplying v) pruning
- b) List any 2 groups of organisms and name any 5 members in each of the groups that causes loss of quality and yield to annual crops

Question five

- a) List any four types of compound fertilizer
- b) Write out the full names of the mineral element that could be found in the fertilizer you have listed in a.
- c) Briefly described any four method of fertiliser application

Question six

- a) i) Describe the term harvesting ii) List any four simple tools recommended for crop harvesting
- b) List any four harvest indices
- c) List any four components of primary processing of harvested annual crops