



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, University Village, Nnamdi Azikiwe Expressway, Jabi,
Abuja
Faculty Agricultural Sciences
DEPARTMENT OF CROP AND SOIL SCIENCES
2020_2 EXAMINATION

COURSE CODE: CRP309

COURSE TITLE: ARABLE CROP PRODUCTION (2CU)

INSTRUCTION: ANSWER QUESTION 1 (25 MARKS) AND ANY THREE (15 MARKS EACH) QUESTIONS

TIME ALLOWED: 2:30 MINUTES

QUESTION

1.
 - a. (i) Derive the classification name for Sorghum (botanical name) for Sorghum. (2 marks)
 - (ii) Carefully identify any two Sorghum varieties in Nigerian research shelf. (6 marks)
 - b. As a research scientist elaborately explain the crop production process of Sorghum (8 marks)
 - c) Enumerate briefly the lacking signals of the following nutrients in sorghum
 - (i) Nitrogen (ii) phosphorus (iii) potassium (9marks)
2.
 - a. Attempt to categorize millet under the occurring name of Genus and Species. (6 marks)
 - b. Explain in details the line action of Agricultural production of millet. (9 marks)
3.
 - a. Given below are different varieties of rice. Carefully give two examples each.
 - (i) upland
 - (ii) Shallow Swamp Variety
 - (iii) Swamp varieties. (9marks)
 - b. Describe in brief the climatic and soil requirement of rice production. (4 marks)
4.
 - a. Enumerate elaborately the breeding and production of cowpea. (9marks)
 - b. Briefly discuss the botanical varieties of cowpea. (6 marks)
5.
 - a. Write extensively the botanical nature and varieties of groundnut. (10 marks)
 - b. Identify the commonly local groundnut varieties found in Nigeria (5 marks)
6.
 - a. Explain in details the breeding process and the crop establishment of soybean. (10 marks)
 - b. Outline any five by-products gotten from soybean produce. (5 marks)