



**PAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF NATURAL RESOURCES AND SPATIAL SCIENCES

Department of Agriculture and Natural Resources Sciences

QUALIFICATION: Bachelor of Agriculture	
QUALIFICATION CODE: 07BAGR	LEVEL: NQF Level 6
COURSE: Agronomy	COURSE CODE: AAG610S
DATE: July 2019	SESSION:
DURATION: 3 Hours	MARKS: 100

SECOND OPPORTUNITY/ SUPPLEMENTARY EXAMINATION QUESTION PAPER	
EXAMINER(S):	Mr C. L. Akashambatwa
MODERATOR:	DR. FIDELIS N. MWAZI

INSTRUCTIONS
<ol style="list-style-type: none">1. Answer ALL the questions.2. Write clearly and neatly.3. Number the answers clearly.

PERMISSIBLE MATERIALS

1. Examination paper.
2. Examination script.

THIS QUESTION PAPER CONSISTS OF 2 PAGES (Including this front page)

Question 1

- 1.1. Explain why legume crops are important in crop rotation with other crops and give one examples of a legume crop. [4]
- 1.2. Discuss four factors to be considered when grading soya beans. [4]
- 1.3. Discuss the climatic requirements of cowpeas. [6]
- 1.4. List the seven broad growth stages in the development of the potato plant. [7]
- 1.5. What is the optimal soil requirement for field crops? [3]

Question 2

- 2.1. Sorghum is a crop of multiple uses. Name three most common uses of sorghum. [3]
- 2.2. Briefly explain the four (4) factors that have an influence on the tillering ability of a wheat cultivar. [8]
- 2.3. Give five different types of maize. [5]
- 2.4. List five environmental factors that can influence the pollination and fertilization process in cereal crop production. [5]
- 2.5. Briefly explain four different stages of soil cultivations intended for growing wheat. [8]

Question 3

- 3.1. Differentiate between early vegetative development stage and flowering stage for maize. [10]
- 3.2. Describe the three (3) categories in which rice grains are classified. [3]
- 3.3. Discuss the economic importance and uses of cotton. [6]
- 3.4. Explain briefly the soil requirements of potatoes? [10]
- 3.5. What are the steps involved in making high-quality hay. [4]

Question 4

- 4.1. What do you understand by the term integrated pest management (IPM) and briefly discuss the concept and development of IPM? [7]
- 4.2. Discuss the fertilizer requirements of groundnuts taking into account NPK and other elements that might be required. [7]

[END]