



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP AND SOIL SCIENCES**

EXAMINATION: 2021_2 POP EXAMINATION

COURSE TITLE: Seed Production Technology

COURSE CODE: CRP 503

TOTAL SCORE: 70 MARKS

TIME ALLOWED: 2 hours

INSTRUCTION: Answer compulsory question 1 (30marks) and any Two questions (20 marks)

Q1

- a. What is a seed? Explain using the seed component, how seed technology differs from food technology. (10marks)
- b. Compare and contrast the major differences between seed and grain. (10marks)
- c. Give at least five reasons why improved seed are better than local seeds. (10marks)

Q2

- a. Define germination, vigour and dormancy. (9marks)
- b. Give the classifications of seed dormancy and list the causes involved in each classification. (11marks)

Q3

- a. What is seed deterioration? (5marks)
- b. List and explain the factors of seed deterioration during storage and distribution/marketing. (15marks)

Question 4

- a. Define seed certification and explain how it monitors or controls the seed multiplication protocol. (15marks)
- b. What are the principles of seed certification? (5marks)