

THE PAPUA NEW GUINEA UNIVERSITY OF TECHNOLOGY
DEPARTMENT OF AGRICULTURE

SECOND SEMESTER FINAL EXAMINATION - 2020

AGRONOMY II - AG 228

TOTAL MARKS: 50

WEDNESDAY 28TH OCTOBER, 2020 (8:20 AM)

VENUE: AG1-32; TIME ALLOWED: 3 HOURS

INFORMATION FOR CANDIDATES

1. You have ten minutes to read the paper. You must not begin writing during this time.
2. Write your name and student number clearly on the front page of your answer booklet.
3. Answer **ALL** the questions in the answer booklet provided.
4. The marks for each question are given at the end of each question.
5. Notes and textbooks are not allowed in the examination room.
6. Mobile phones must not be used during exams, and if in your possession, switch off or silence them.

Answer ALL the questions

- Q1. Discuss the importance of knowing the origins and distribution of agricultural crops? (10 marks).
- Q2. State five differences in the morphological features between *Oryza sativa* and *Arachis hypogea* (10 marks).
- Q3. Explain any five agro-climatic factors that influence the crop growth and development (10 marks).
- Q4. Discuss the importance of sweet potato cultivation in human welfare and the economy of nations (10 marks).
- Q5. The production of cocoa is currently under threat from an incursion of cocoa pod borer, *Conopomorpha cramerella*. Construct an appropriate strategy to contain the impacts of this economic insect pest? (10 marks).

Enjoy!

*“He who works his land will have abundant food,
but he who chases fantasies lacks judgment.”*

Proverbs 12: 11