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

EXAMINATION: 2022_2 POP EXAMINATION
COURSE TITLE: PERMANENT CROP PRODUCTION
COURSE CODE: CRP313
TOTAL SCORE: 70 MARKS
TIME ALLOWED: 2 hours
INSTRUCTION: ***Answer compulsory question 1 (30marks) and any Two questions (20 marks each)***

Questions

Q1.

a) List any Six permanent crops using both common and science names. (6marks)
b) What is the economic importance of establishing tree crops? (4marks)
c) List any five products from oil palm tree. (5marks)
d)
   i. Enumerate any five vegetative propagation methods (5 marks) and
   ii. Explain asexual method of propagation and tabulate the advantage over the sexual method of propagation. (5marks)
e) List any five research institutes charged with the mandate of working on permanent crops. (5marks)

Q2

a) Enumerate any Five general Climatic conditions. (5marks)
b) Describe the method of weeding in Oil palm plantation.(5marks)
c) Provide the following information on oil palm establishment. (5marks)
d) Soil type (ii) gradient (iii) soil dept (iv) Photo period (v) annual rainfall (vi) soil pH. (vii)Temperature. (5marks)

Q3

Write a descriptive note on each of the listed five farm operations
i). Mulching (ii) Shading (iii) Weeding (iv)Pruning (v)Propping. (20marks)

Q4.

a) List any five simple tools. (5marks)
b) Briefly describe (i) Cocoa swollen virus disease (ii) black pod disease of cocoa. (10marks)
c) (c) Highlight the essentials of cocoa processing. (5marks)