

UNIVERSITY OF AGRICULTURE, ABEOKUTA
COLLEGE OF PLANT SCIENCE AND CROP PRODUCTION
DEPARTMENT OF HORTICULTURE

FIRST SEMESTER EXAMINATIONS (2009/2010 SESSION)

HRT 505: DESSERT FRUITS PRODUCTION

INSTRUCTION: Answer Question 1 and any other Three. Time Allowed – 2hrs

- 1a). On an annotated map of Nigeria, show ecological distribution of the following dessert fruit crops: (i) *Mangifera indica* (ii) *Passiflora edulis* (iii) *Ananas comosus*
(iv) *Carica papaya* (v) *Musa spp.* (vi) *Psidium guajava* (vii) *Citrus Spp*
- b). Indicate two major environmental factors accounting for the distribution shown.
- c). Mention 4 distinguishing features of *Phoenix dactylifera* compared to other species of Phoenix.
- d) . List ten economic importance of *Phoenix dactylifera*
- 2 a). Name five climatic requirements for a named dessert fruit crop.
- b). Highlight the implications of each on the factors on growth and yield of the named crop.
- 3). Write briefly on the following:
- (i) Sword sucker (ii) Peeper (iii) Maiden sucker
(iv) Decapitation in plantain (v) French plantains
- 4 (a). Name one major pest and disease of *Musa spp*
- (b). Name four cultivars of *Carica papaya*.
- (c). Categorize *Musa spp.* based on the morphology of the plant.
- (d). Which of the types would you select for commercial production ?.
- 5(a) Discuss the influence of climate on viticulture
- (b). Explain the features of the following viticultural regions of the world:
- (i) Mediterranean Climate (ii) Continental Climate (iii) Maritime Climate
- 6a). Explain the following management operations in the cultivation of *Psidium guajava*:
- (i) Nursery (ii) Clonal method of propagation (iii) Transplanting
(v) Planting spacing (v) Crop management on the field.