

**SIR ARTHUR LEWIS COMMUNITY COLLEGE**  
Division of Agriculture

END OF SEMESTER ONE EXAMINATION – DECEMBER 2017/2018

PROGRAMME TITLE : General Agriculture – Associate Degree – Year 2  
COURSE TITLE : Crop Protection & Pest  
COURSE CODE : CRP212  
DATE : 4<sup>th</sup> May, 2018  
TIME : 9:00 a.m.  
DURATION : 2 ½  
ROOM : Hours  
INVIGILATOR(S) :

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**DO All Four Questions**

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1. Discuss the importance of Crop Protection in Agriculture. (25 mks)
  
2. a. St Lucia's pest list has recorded only one species of fruit flies. With respect to this fruit fly, outline its classification;  
  
Class -  
Order -  
Family -  
Species -  
Common name - (5 mks)
  
- b. Describe the type of metamorphosis this fruit fly undergoes. (5 mks)
  
- c. It has been reported that there are many other species of fruit flies present in neighboring islands. Describe three (3) quarantine measures which can be put in place to prevent the entry of exotic species into St Lucia (15mks)
  
3. a. The following is a list of pesticides used on the college farm. Identify the types of pesticide (Insecticide, fungicide, Herbicide and Nematicide) ; Basta, , Vertimec, Fastac, Danitol, Pegasus, Benlate, Phytan 27, Bellis, , Vydate, Gramocil , (10mks)
  
- b. Discuss two (2) safety precautions one has to adhere to when using pesticides. (10 mks)
  
- c. Explain the term "Pesticide formulation". (5 mks)
  
4. Using both local and foreign examples , discuss in detail the concept of "Integrated Pest Management" (25 mks)