

Minors 684
Nature of
ECES

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HARMATTAN SEMESTER EXAMINATION 2014/2015 SESSION
PLANT VIROLOGY (MCB 413) TIME: 1HR 15mins.

INSTRUCTION: Answer Question 1 and any Other 2 Questions

- 1a Discuss Cocoa swollen shoots disease under the following headings
- (i) Causative agent (ii) Insect vector (iii) Mode of transmission (iv) symptoms
 - (v) Prevention and control.
- b. List five factors that encourage the spread of Cocoa swollen shoots.
- c. List three causative agents of cassava mosaic virus.
- d. Highlight four conditions that favour the spread of cassava mosaic disease
- 2 a. What are plant viruses?
- b. Explain the different ways by which plant viruses could be transmitted?
3. Describe the symptoms of viral infected plants under the following headings:
- a. Internal symptoms
 - b. External symptoms
 - c. Effects of environmental factors on symptoms
4. a. Highlight the control measures that could be adopted in plant virus diseases
- b. State the reasons why these control measures are necessary