



Y

APZ 403 – APPLIED ENTOMOLOGY 1

Time allowed: 2hrs

- 1a. On a *Cola nitida* farm, the following parameters were recorded, Economic Injury Level (EIL)- 7,500 insects/ha; Market value in naira per unit cost- #2,000/tonne; Crop injury per pest density- 100 defoliations/ insects; Loss caused by unit injury- 0.05tonne loss/ defoliation, while the Proportionate reduction in injury by pesticide application is 8% control. Calculate the Management cost per unit area, (C).
- b. Classify chemical control agents based on;
(i) Mode of Entry (ii) target organisms
- c. Present a brief account of the following;
(i) Novel methods in Insect pest control (ii) Integrated Pest Management.
- d. Write short notes on four named insects of medical importance.

- 2a. Discuss the term "Insect Pest"
- b. Write an essay on insect damage and its various types.

- $$\frac{A \subset C}{A \Delta B}$$