

Benha University
Faculty of Science
Entomology Department
4th year Student Final Examination
Time allowed: 1Hour
Date: 18 / 1 /2017
Specialized Field Training (code: E 491)



Answer the following questions :

1. Write the scientific term for each of the following statements

(20 Marks)

No	Statements
1	The question you want to have answered in an experiment
2	The individual things that you wish to test in your experiment
3	Arrangement of treatments in the field
4	The information you collect to answer your question
5	Number of individuals in an area
6	Measurement of population per unit area or unit volume
7	Insects feeding on dead zoogenic matter
8	lives on or in higher animal but not killing it
9	Means that the treatments are assigned to plots with no discernable pattern to the assignments
10	Uncontrolled variation in an experiment

Look at the next page

2. Mention the technique or sampling method for each of the following

(16 Marks)

1	The most efficient way to effectively trap a large area within a limited amount of time, with limited staff and resources.
2	Sample the amount of injury rather than insect's numbers
3	Direct Counts- good for large, conspicuous insects, mostly on plants, insects are not necessarily removed from the field.
4	Insects removed from habitat via light/heat extraction.
5	To know insects that walk up and down trees
6	Used in collecting visually-oriented flying insects, such as bees.
7	Traps containing materials mimic host plant odor
8	Used for collecting mosquitoes which bites indoor and goes outside for the rest

3. Write on the following (12 Marks)

- 1) Control (check) and Replication are necessary in any experiment**
- 2) Blocking in designing experiments**
- 3) Five necessary Policies for safety during field activities**