### Benha University, Faculty of Science Entomology Department

### Midterm, 2nd Semester, 2016, General Entomology2 (112E)

### Time allowed 30 Minutes

1. **Complete the missing parts in the following figures**



1. **Discus the following statement: Some species of insects are able to reproduce asexually.**

Some species of insects as Aphids can reproduce asexually by a phenomena known as Parthenogensis ( virgin females produce new individuals)

1. **Write on: Diaphragms and sinuses in hemolymph circulation in insects**

To facilitate circulation of hemolymph, the body cavity is divided into three compartments (called blood sinuses which are dorsal, ventral and periveseral sinuses) by two thin sheets of muscle and/or membrane known as the dorsal and ventral diaphragms.   The dorsal diaphragm is formed by alary muscles of the heart and related structures.   The ventral diaphragm usually covers the nerve cord.