

Question bank – Insects Structures:

**Q1/ Define the following terms (Choose only Five).**

1. Prognathous    2. Midgut    3. Ventral diaphragm    4. Aorta    5. Chilopoda  
6. Hamulate

**Q 2/ Enumerate following structures**

- a. Types of antennae    b. Types of neurons    c. Layers of foregut

**Q3/ Draw the following with name of their parts(Choose only Two).**

1. Walking legs    2. Male reproductive system    3. Typical wing

**Q3/Choose the correct term from the brackets of the following sentences.**

1. Ovipositor of cricket is:

- (a. Needle-like    b. Short segmented    c. Long and sword like)

2. The 3<sup>rd</sup> longitudinal vein is:

- (a. Radius    b. Subcosta    c. Cubitus)

3. Number of antennae in crustacean species are:

- (a. 1 pairs    b. 2 pairs    c. Without)

4. Caudal ganglion innervate the:

- (a. Mouthparts    b. Spiracles    c. Anus)

5. Valves (ostia) ensure to flow of hemolymph in:

- (a. One-way    b. Two way    c. Both of them)

**Q4/ Write down the answers to the following questions.            (40) Marks**

1- Structure of an insect spermatozoon.

2- Functions of Hemocytes.

3- Classification of tracheal system based on number and arrangement of functional spiracles.

**4-** Explain why a headless insect may survive for days or weeks (until it dies of starvation or dehydration).

**Q 5: Enumerate the following?**

**a.** Types of antennae, **b.**Types of legs, **c.** Types of head orientation

**Q6: Draw the following with the name of their parts?**

**a.** Walking legs **b.** Head (Front view) **c.** Capitulate antennae

**Q 7: Write layers of the following terms?**

**A-**Internally layers of foregut.

**B-** Types of cells of epithelial layer in midgut.

**Q8:** Define spiracles and mention the most important function of them? **Q9 :** Enumerate parts of Female Reproductive System, and mention function of Accessory glands?

**Q10-**Explain reproductive strategies upon “To Lay Eggs or Not to Lay Eggs?”

**Q11-** Write only (3) Functions of saliva?