

QUESTIN BANK

**FOR 3RD CLASS STUDENTS
BIOLOGY DEPARTMENT
2024**

**SUBJECT:
MEDIACL ENTOMOLOGY**

**PERPARED BY:
DR.WAND KHALIS ALI**

Q1/ Multiple Choice :

1. Which arthropod is primarily responsible for transmitting pediculosis disease?
a) Flea b) Tick c) Louse d) Bed bug
2. What is the vector for African trypanosomiasis?
a) Tsetse fly b) Sandfly c) Triatomine bug d) Bed bug
3. Which insect is associated with the transmission of Chagas disease?
a) Sandfly b) Flea c) Tick d) Triatomine bug
4. What is the primary vector for trench fever?
a) cockroach b) Bed bug c) Black fly d) Triatomine bug
5. Which insect is a vector for typhus?
a) Louse b) cockroach c) Flea d) Bed bug

Q2/ True and false

- 1-Cockroaches can transmit parasitic worms to humans.
- 2-Cockroaches are primarily nocturnal insects.
- 3-Cockroach bites are a common cause of allergic reactions in humans.
- 4-Cockroaches are known to contaminate food and utensils with pathogens.
- 5-Lice infestations can lead to secondary bacterial infections due to scratching.
- 6-Body lice are primarily associated with poor hygiene and crowded living conditions.
- 7-Pubic lice are primarily transmitted through sexual contact.
- 8-Triatomine bugs can transmit Chagas disease to humans through their bites.
- 9-Triatomine bugs are primarily nocturnal insects.
- 10-Chagas disease is caused by a parasitic protozoan called *Trypanosoma cruzi*.

Q3/ Answer the following

(15mark)

- A. Type of problems caused by insects (Count only)
- B. Insect orders with medical importance (only the order name)
- C. The scientific name of the insect vector of Chagas diseases

Q5/True and false

- 1-Cockroaches can transmit parasitic worms to humans.**
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1.Compositional :

Q6/ why insects are the most diverse and abundant of all groups of arthropods?

Q7/ How insect transmitted diseases?

Q8/ What are the important distinguishing features of insects?

2 .True or false type of exams

Q9/Answer these statements with (T) or (F) letter and correct all the false ones:

1-Three pairs of jointed leg regarded as one of the main important character of the phylum arthropods?

2-medical Entomology is the study of honey bees and honey production and marketing?

1- -3Insects considered highly successful due to its molting?

2-

3- -4Some insects are important vectors of human disease?

4-

5- -5Insects are the most important animal pollinators?

3 .Multiple choices:

Q10/choose the correct answer:

1-External openings in the insect integument that allow entry of air into insect tracheae are called

- A)Taenidia B)Tracheole C)Spiracle D) Atrium**

2 -In which of these orders adult insect not feeding

- A) Dermaptera, B) Thysanura C) Collembola, D)**

Ephemeroptera

3 -Which of the following is true about the insect circulatory system?

A. The circulatory system delivers oxygen and removes carbon dioxide.

B. It is an “closed” circulatory system .

C. It is comprised of a ventrall heart and anterior aorta .

D. Insect “blood” is called hemolymph.

4 -The genital segments involve the segments from

- A) 8-9 B) 1-7 C) 10-11 D) all of**

them

5-The main function of the claspers

- A) Eat food B) Mate C) Escape from enemies D)**

Grasp the female (10 mark)

Q12

1-Medical entomology deals with the study of

- a. Mosquito b. insects c. mites d . lice**

2- The transmission of pathogens by insect may be.....

- a. Vertical or horizontal b. left or right c. up or down d. good or bad**

3- Which arthropod is primarily responsible for transmitting pediculosis disease ?

- a. Flea b. Tick c. lice d. Bed bug**

4- Both sexes oftake blood-meals

- a. Mosquito b. Cockroche c. bedbug d. housefly**

5- Dengue is a viral infection transmitted bymosquitoes.

- a. Aedes b.Culex c. Anopheles d.**

Mansonia

Medical entomologists study the life cycles, feeding habits, and behaviour of disease vectors to understand how they transmit pathogens.

**Stinging Insects have specialized venom glands attached to sting
If you've been allergic once, you've got a 60% chance of being even more allergic next time.**

Several biting flies and Reduviid bugs carry infective stages of disease causing pathogens.

Culex sp. Mosquitoes transmit the infective stage of malaria

One of the major peptides in bee venom, called Melittin, is used to treat inflammation in sufferers of Rheumatoid Arthritis

Transgenerational transmission is defined as the vertical passage of parasites by an infected parent to its offspring.

Q14/ Clarify your understanding of the Maggot Debridement Therapy