



FINAL TERM EXAM.
Jan 2026



2nd Zoology & Chemistry Students
Introduction to Invertebrates 221Z

برنامج الحيوان و الكيمياء (المستوى الثاني)
مقدمة في علم اللافقاريات

Department: Zoology	Mark: 90	Time: 2 Hours	Date: 30/12/2025
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Answer the Following Questions: (Exam in Two Pages)

Question One: Choose the correct answer: (32.5 Marks/2.5 each)

1- Extinct invertebrates belong to phylumand subphylum
a) Arthropoda & Trilobita b) Arthropoda & Crustacea c) None of them

2- Which of the following is NOT a characteristic of the phylum Echinodermata?
a) Bear spines and pincer-like pedicellariae. b) Most are hermaphrodite. c) None of them

3- The provided image illustrates



a) A hydraulic system comprising a network of canals. Water enters through madreporite. b) The ring canal radiates a set of radial canals, running along the groove in each arm. c) Both a & b

4) Oysters and Mussels belong to Class
a) Scaphopoda b) Gastropoda c) Bivalves

5) Which of the following is NOT a characteristic of the Scorpion?
a) Preferred forests, savannas & caves. b) Metasoma have gonads and ending in a venomous sting. c) Nocturnal and emerging at night to hunt prey.

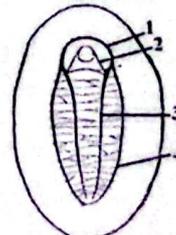
6) Nereis is and lives in.....
a) Carnivorous & Marine water b) Omnivorous & Marine water c) None of them

7) Sea lilies belong to class.....and phylum.....
a) Crinoidea & Echinodermata b) Aplacophorans & Mollusca c) Scaphopods & Mollusca

8) A large organ in crayfish, stores and grind food into smaller pieces is.....
a) Stomach b) Mouth parts c) Esophagus

9) All of the following are true EXCEPT.....
a) Parasitic *Hirudo* feed on the blood of mammals. b) Young feed on frogs instead of mammals. c) May even go longer than seven months without food due to their blood storage.

10) The numbered parts (1-4) of this image are.....,.....and, respectively



a) Buccal nerve, subradula nerve, pedal cord and pallio-visceral cord. b) Nerve ring, subradula nerve, pallio-visceral cord and pedal cord. c) Nerve ring, buccal nerve, pedal cord and pallio-visceral cord.

