



Second term Exam
2024

Department: Zoology	Major: كيمياء / حيوان / ثانية	Course Title: لافقاريات طبية
Code number: 218 Z	Mark: 60	Date: 30 / 5 / 2024
Time: 1 Hours		الامتحان في صفتين

Question One: (15 Marks): (5 degrees for each)

- 1- What are the possible medical uses for spider venoms?
- 2- Why invertebrates produce the MNPs ?
- 3- Sea cucumber has a significant commercial and medically important value, because..?

Question Two: (10 Marks)

Choose the correct answer (2 degrees for each)

1	What's meant for "BASs"		
	a- biological active substance	b- bacterial acid sources	c- biological acid sources
2	Sponges are an integral part of community?		
	a- animals	b- coral Reefs	c- organisms
3	Natural Products produced by		
	a- lower animals	b- protozoa	c- Sponges
4 prevent the growth of the algae on coral reefs ?		
	a- Crabs	b- Star fish	c- Hydra
5	Sea urchin is a popular subject of		
	a- Embryological study	b- histological study	c- ecological study

Question Three: (10 Marks)

Put true or false and correct the false one (2 degrees for each)

- 1- Anchor worm (*Lernaea*) larval stages are permanent parasite? ()

- 2- The earth worm paste has some uses such as inflammatory and Oxidative? ()
- 3- South China Sea, has become a hot spot in searching for novel bioactive MNPs? ()
- 4- A skin rash called swimmer's itch results from rat schistosomes trying, only partly successfully, to penetrate human skin? ()
- 5- Cephalopods have been utilized in organ science research? ()

Question Four: (25 Marks)

Complete (1 degree for one item)

- a- The cells of sponges have a job like:(1).....,(2).....,(3).....?
- b- The Natural products possess vast range of therapeutic applications including:(4).....,(5).....,(6).....,(7).....,(8)..... and(9).....?
- c- Echinoderms are important for source of(10)..... and(11)..... for humans?
- d- Sea cucumber has a significant commercial value because it contains valuable nutrients such a(12)..... and(13).....?
- e- Sea cucumber contain number of bioactive materials such a(14).....,(15).....,(16).....,(17).....,(18).....,(19)..... and acid mucopolysaccharides?
- f- Spider venom serves the purpose of(20)..... or(21).....their prey?
- g- In healthy ecosystem, turbellarians usually exist in(22).....to(23)..... Numbers?
- h- *Ergasilus* and *salmincola* feed on(24)..... and(25).....?

"End Exam"

With Best Wishes

Prof. Dr. Ola Abu Samak

Prof. Dr. Mohammed Al-Bokf

Dr. Lammia Deef

Head of Department Prof. Ola A. Abu Samak