



Final term Exam



Department: Zoology
Code number: 101 Z
Time: 2 Hours

Major: Biology
Mark: 60

Course Title: General zoology
Date: 5 -1- 2023

الإمتحان صفحتان:

Answer the Following Questions:

Question One: (Write on:) (20 degree)

- 1- Chemical digestion in the animal body
- 2- Fat soluble vitamins.
- 3- Essential amino acids.
- 4- The principal functions of kidney.
- 5- Function of the nervous system.

Question Two: (Complete the following) (20 degree)

- 1- Living organisms are characterized by
- 2- Biodiversity mean that
- 3- The important branches of zoology are
- 4- The elements which are important for body building
- 5- Body tissues were divided into four types: and
- 6- Depending on their diet, animals classified into and
- 7- The process of cooking food before serving to animals is part of
- 8- The mechanical digestion complete in the stomach for
- 9- The gastrovascular cavity is found in,,
- 10- Minerals are required for the
- 11- Lipids and carbohydrates are similar in having, and
- 12- Foodstuffs fall under six categories:,,,, and
- 13- Examples of monosaccharides are,, and
- 14- When the excessive carbohydrates are not stored as glycogen, produce
- 15- Major organs of the body which help in the excretion process are:,,, and
- 16- Each animal cell is surrounded by
- 17- Animals are classified into two categories according to their body temperature to, and
- 18- Closed circulatory system is present in,

19- From the blood function,

20- Respiration in protozoa takes place by

Question Three: What is the meaning by each of the following:- (15 degree)

(one or two ward only for each)

- 1- Is the physiological bridge between sea and freshwaters.
- 2- The study of the body structure and relationship between different parts of the body.
- 3- A group of cells interconnected to perform one function.
- 4- The organisms that obtain their nutrients by consumption of other organisms.
- 5- The organisms that feed on dead and decaying matter.
- 6- Refers to the entry of food into the alimentary canal.
- 7- Play an important role in mixing food with digestive juices.
- 8- Adjustments of animal body to new conditions.
- 9- It consists of one tube with a mouth at one end and anus at the other.
- 10- Is the distinguishing element in the proteins.
- 11- In which the simple substances are converted into complex substances.
- 12- They synthesize all essential organic compounds from inorganic constituents.
- 13- Is the most suitable medium to carry out the biochemical reactions.
- 14- The fluid of the open circulatory system.
- 15- Plasma membrane allows the cell to maintain a constant environment in the interior.

Question Five: (Write True or False) (5 degree)

- 1- Heterotrophic organisms perform photosynthesis.
- 2- The digested fat is a mixture of triglycerides, diglycerides and monosaccharides.
- 3- Chicken has digestive system adapted to eating unmasticated food.
- 4- The aquatic environment is more dense compared to the terrestrial one.
- 5- No two proteins are exactly alike in their physiological behavior.
- 6- Simple sugars may be transformed to glycogen in the intestine.
- 7- Glucose may be transformed into fat and deposited as adipose tissue.
- 8- The fluid of the open circulatory system is called hemolymph.
- 9- Parasitic bacteria in the digestive tract play an important role in digestion.
- 10- Enzymes are very necessary for absorption of proteins.

With Best Wishes

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