



Tanta UNIVERSITY

FACULTY OF SCIENCE
DEPARTMENT OF ZOOLOGY

EXAMINATION for preendistry students

COURSE TITLE:

Zoology

COURSE CODE: TDEN 00:03

DATE:

Sept 2015

TERM: SUMMER

TOTAL ASSESSMENT MARKS: 24

TIME ALLOWED: 2

Physiology section (6 Marks)

- a-The chemical and mechanical processes of food breakdown are called
- b- Hydrochloric acid is secreted bycells in the stomach .
- c-The terminal portion of the small intestine is called the
- d- Spirometer is an instrument used for measuring.....
- e- Exchange of air occurs inwhich are also known as air sacs
- f-The maximum volume of air an individual can exhale following a maximum inhalation is called

Histology Section (6 Marks)

A) Indicate whether the following statements are true or false:

- 1- Columnar cells originate from endoderm .
- 2- Multipolar neurons; motor neurons, have numerous cell processes (axon and many dendrites
- 3- Dense regular connective tissue surrounding entire muscle is called epimysium;
- 4- Carbohydrates; glycoproteins , glycolipids are oriented to the outside of the plasma membrane.
- 5 Basement membrane is one of the most diagnostic characters of the connective tissues.
- 6- Muscular tissues are classified according to their structure and function into smooth, and cardiac muscles

Systematic section (6 Marks)

1/- In the form of table Compare between :

(2 Marks)

Entamoeba histolytica and *Entamoeba gingivalis*

II – Put true(√) or (X) for the following :

(2Marks)

- 1) – Nutrition in *Trypanosoma* sp. is holophytic. ()
- 2) – *Plasmodium malaria* is transmitted by Tse-tse fly. ()
- 3) – In Hydrozoa the life cycle includes polyp and medusa. ()
- 4) – *Blattidum coli* moved by flagella. ()

III – Give short notes on:

(2 Marks)

The medical important of Sponges.

I - Choose the correct answer and rewrite(only) the answer in your sheet.

(3 Marks)

- 1) The egg of *Fasciola* sp. characterized by:.....
 - a. Lateral spine .
 - b. Mammillated coat.
 - c. Operculum.
- 2) *Ascaris* sp. is:
 - a. Coelomate.
 - b. Acoelomate.
 - c. Pseudocoelomate.
- 3) Egg of *schistosoma* sp. is:
 - a. Embryonated -non operculated.
 - b. Embryonated- operculated.
 - c. Non embryonated- operculated .

II - Complete the missing parts of the following rewrite(only) the answer :

(1 Marks)

- 1) - The infection of *Enterobious* sp diagnosed by:
- 2) - The mode of infection of *Schistosoma* sp is by.....

III – In the form of table Compare between :

(2 Marks)

Egg *Fasciola* sp. and egg *Ascaris* sp.

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