



Assiut University

المستوى الأول
تشریح طیور وأسماك
الفصل الدراسي الثاني ٢٠١٧/٢٠١٨



Fac. of Vet. Med.

Dept. of Anat., Histol. & Embryol.

Second Semester Examination

Level: First

Subject: Avian and Fish Anatomy

Course Code: AHE: 106

Date: 11/6/2018

Time allowed: 2 hours

Answer all the following questions illustrating your answers with diagrams as possible:

I. Write short notes on: -

(12 marks)

1. Ornamental outgrowths in domestic birds.
2. Syrinx in chickens.
3. Muscular stomach.

II. Give an account on:-

(12 marks)

1. Position and fixation of ovary.
2. Suspensory apparatus of the mammary gland.
3. Anatomical differences between penis of dog and sheep.

III. Discuss the following: -

(11 marks)

1. Structure of the avian egg.
2. Features of the head region of fish.
3. The urinary system in fish.

IV. Fill in the spaces

(one mark each)

1. A mature feather consists of
2. Polystomatic salivary glands are.....
3. The crop is well developed in.....
4. Cloaca consists of.....and.....
5. In isthmus, the egg stays forduring which the
..... is formed.
6. The long axis of the testis is oblique in....., but vertical in
.....
7. The part of the broad ligament ending on the horn and body of the uterus
is termed.....

انظر خلفه

مع أطيب التمنيات بالتوفيق والنجاح
وحدة خدمات تكنولوجيا المعلومات
كلية الطب البيطري - جامعة أسيوط

المستوى الأول
تشريح طيور وأسماك
الفصل الدراسي الثاني ٢٠١٧/٢٠١٨

8. The primordial germ cells migrate from the yolk sac to
9. When the Y-chromosome is absent the gonad is differentiated into.....
10. The primordial germ cells differentiate into.....in male.
11. The paramesonephric duct develops into
12. The ductus deferens is developed from.....
13. The uterine tube is developed from.....
14. During descent of the testis, the ligament connects the testis with scrotum is termed.....
15. Agenesis of penis results from failure of development of

مع أطيب التمنيات بالتوفيق والنجاح
وحدة خدمات تكنولوجيا المعلومات
كلية الطب البيطري - جامعة أسيوط

Good luck

Examiner committee: Staff Members of Anatomy and Embryology.

Exam Coordinator: Prof. Dr. Yousria Abd El-Rahman.