



Assiut University

كشور لطيرو و لاسماك
المستوى الاول - لعصا لبراسم
ورقة ٢٠١٥ / ٢٠١٦



Second Semester Examination
Subject: Avian and Fish Anatomy
Level: First
Course Code: AHE: 106

Fac. of Vet. Med.
Dept. of Anat., Histol. & Embryol.

Date: 29/5/2016

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 birds.
2. Floor of the oropharynx in chickens.
3. Structure of avian egg.

II. Write on the followings:

(12 marks)

1. Muscles of the penis.
2. Accessory genital glands in the horse.
3. Position and ligaments of the ovary in domestic animals.

III. Give an account on:

(11 marks)

1. Syrinx in birds.
2. Pyloric caeca in fishes.
3. Dorsal fin.

IV. Fill in the spaces:

(One mark for each)

- 1- The principal cutaneous gland of the bird is which is well developed in
- 2- The liver in birds is composed of lobes. The one is the largest.
- 3- Each testicular lobule consists of a small number of
- 4- In ruminants the uterine horns resemble, while in pig they resemble
- 5- The external uterine orifice opens into the cavity of
- 6- The funnel-shaped part of the uterine tube is called
- 7- Each mammary gland consists of and
- 8- The gonad has three types of cells, primordial germ cell, celomatic cell and

← انظر خلفه

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- 9- Canalization of the testicular cords takes place at
- 10- The gonad differentiates into ovary due to
- 11- The primordial germ cells differentiate into spermatogonia in male but in female into
- 12- The fused part of the paramesonephric duct differentiates into body and cervix of the uterus as well as
- 13- The phallus gives off the penis in male but in female it gives off
- 14- Agenesis of the penis is due to absence of
- 15- When openings appear on the ventral aspect of the penis, this anomaly is termed

"With best wishes"

ملحوظة:

الامتحان الشفهي بعد النظري مباشرة بمقر القسم

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Examiner Committee: Staff Members of Anatomy and Embryology.

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