أمراض الأسماك المعد المستوى الخامس القصل الدراسي الأول ١٧ - ١٦/٢ - ٢ الورقة الأولى



Date: 24/1/2017

First Semester Examination Subject: Microbial fish diseases

Course Code: ANM: 504

Level: 5th level



Faculty of Veterinary Medicine **Department of Animal Medicine**

Time allowed: 2 hours

1] Re-write the sentences with the correct/best answer

(1-point each)

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c. Nutritional deficiencyd. All the above	
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مع تحيات وحدة خدمات تكنولوجيا المعلومات كلية الطب البيطرى - جامعة أسيوط

انظر خلفه

أمراض الأسماك المعدية المستوى الخامس الفصل الدراسي الأول ٢٠١٦/٢٠١٧ الورقة الثانية والأخيرة

2 Fill in the spaces (1 point for each space) 2. Nutritional gill disease occurs as a result of dietary deficiency of vitamin 3. Branchiomycosis hyphae is seen microscopically as 5. is the causative agent of branchiomycosis and is restricted to branchial blood vessels. 6. Vibrio spp. are sensitive to antibiotic. 7. The main clinical signs of columnaris are and 3], Briefly, explain why (2-point each) 4. Streptococcus sp. with M or M-like proteins on the cell wall can induce infections easily. 2, Infection by Vibrio spp. is called "saltwater furunculosis" 3. Immunoprophylaxis is the best way to prevent photobacteriosis 4. Francischa noutunensis is considered one of the most pathogenic bacteria for tilapia 5. Live attenuated vaccines cannot be used to protect fish from KOH 4] Briefly, write on: (3-point each) 1 Pathogenic mechanisms and virulence factors of bacteria causing fish diseases. 2. Clinical signs of SVC in carps. 3. Predisposing factors for MAS. 4. Clinical signs of emphysematous putrefactive disease of catfish 5] For the following case, mention the suspected disease, causative agent, and its differential diagnosis. (3 points) Tilapia stock with average weight of 400g showed loss of appetite and mild respiratory manifestations. Internally, the spleen and head-kidneys showed granulomas with Gram negative bacteria.

Examination Committee: Staff member of fish diseases and management

Exam Coordinator: Dr. Ahmad Elkamel

ملحوظة: ميعاد الامتحان الشقهي: ٢٠١٧/١/٢٤ الساعة ١١ صباحاً .. قسم طب الحيوان المستشفي القديم: سكاشن ٢٠١٧،٥،٤،٣،٢٠١ المستشفى الجديد: سكاشن ٩،٨،٧

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