

**Q1) Fill in the blanks with the correct choice from the brackets. (20 Marks)**  
**(Answer 10 only)**

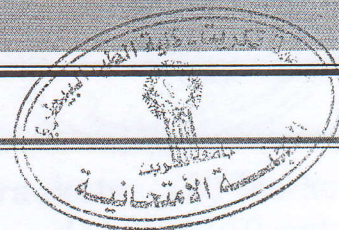
- 1- The trachea of infected birds becomes irritated with inflamed mucous membranes, resulting in coughing, the infestation by----- .  
( *Hymenolepis megalops*, *Syngamus trachea*, *Raillietina spp*, *Capillaria obsignata*).
- 2- ----- (*R. echinobothrida*, *Capillaria annulata*, *Davainea proglottina*, *H. megalops* ) is one of the more harmful species in young birds.
- 3- In -----(*Mycoplasma gallisepticum*, *M. synoviae*, Turkey Syndrome-65, *M. iowae*) infection, nasal discharge with foamy eye secretions precedes the more typical swelling of paranasal sinuses.
- 4- In ----- (*Aspergillosis*, Ring worm, Candidiasis, *M. meleagridis*), Smear can be done by scratching the comb and wattle, adding 10% (KOH) to sample and look under microscope.
- 5- It is disease in which the primary lesion is airsacculitis in the progeny, other manifestations include decrease hatchability, skeletal abnormalities, and poor growth performance, the disease is----- (*Mycoplasma gallisepticum*, *M. synoviae*, Turkey Syndrome-65, *M. iowae*).
- 6- ----- (*Capillaria annulata*, *Syngamus trachea*, *Ascaridia galli*, *Davainea proglottina*). can locate in oviduct and egg of layer.
- 7- It is chronic mycotic disease affecting digestive system, characterized by Sour slimy discharge from mouth, the disease is----- (*Avian Toxoplasmosis*, Candidiasis, Ring worm, *Trichomoniasis*).
- 8- It is chronic dermatomycosis characterized by development of grayish- white crust on the comb, wattles and may extend to other part of body, the disease is----- (*Aspergillosis*, Candidiasis, Ring worm, *Trichomoniasis*).
- 9- In ----- (*Trichomoniasis*, Avian Pox, Ring worm, Candidiasis), the ulcer of crop raised edge, depressed bottom, and when we try to leave, the ulcer like boiled appearance.
- 10- In severe cases of -----(*Mycoplasma gallisepticum*, *M. synoviae*, *M. meleagridis*, *M. iowae*) infection, typical air sac disease in chickens or turkeys, there is fibrinous or fibropurulent perihepatitis and adhesive pericarditis resulting in high mortality and extensive condemnations at processing.
- 11- In chicken, in early stages of the ----- (*Mycoplasma gallisepticum*, *M. synoviae*, *M. meleagridis*, *M. iowae*), there is viscous creamy to gray exudate involving synovial membrane of the tendon sheaths, joints and keel bursa.

**Q2) Fill in the blank with correct sentences. (Answer 15 blank only)  
(15 Marks)**

- 1- Mention the drug of ectoparasites treatment in chickens -----.
- 2- Write the name of worm from found in the cloaca or bursa of fabricius in duck-----.
- 3- Eneumerate only the differential diagnosis of *Mycoplasma gallisepticum* In chicken -----, -----, -----.
- 4- The Predisposal factors of Aspergillosis Disease are -----, -----, -----.
- 5- The predisposing factor of *Mycoplasma gallisepticum* -----, -----, -----.
- 6- Transmission of *Mycoplasma gallisepticum* -----, -----.
- 7- Mites are divided in three types -----, -----.
- 8- The chief importance of the cecal worm lies in its role as a carrier of the blackhead organism -----.
- 9- Intermediate host of Cestodes infestation -----, -----, -----.

**Q3 ) Put (T) or (F) in the following sentences and corrected the false term: each one given (2 marks) ( choose ten only) (20 marks)**

- 1- Enlargement of the heart with either thickened left ventricular wall or right ventricular dilatation is one P.M. lesions for Cage layer fatigue .
- 2-In case of hypocalcemia the muscle contract sharply and fails to relax , thus causing the body to stiffen followed by death .
- 3- Low energy diets to increase egg production is one causes for FLHS.
- 4- Fibrin clots often surround the liver, which is small don't appear in case of Ascites.
- 5- Atrophied kidneys and dilated ureters , often accompanied by diffuse visceral urate deposits is one of clinical signs for Urolithiasis .
- 6-Egg dystocia is mean that the egg located in the cranial part of oviduct
- 7- The ovum become wrinkled, black enlarged, firm or hemorrhagic is one P.M. lesions for Oophoritis.
- 8- The causative for Duck plague is Herpes virus .
- 9- Present the intranuclear inclusion bodies in degenerating hepatocytes is the one of histopathological lesions for *Duck bacterial hepatitis*.
- 10- Stargazing is one of clinical signs for DVH.
- 11- *Riemerella anatipestifer* is the principal pathogen responsible for duckling septicemia.



**Q4 )Write short notes about the following sentences: each one given (3 marks) (Choose four only) (15 marks)**

- 1-Clinical signs and lesions for articular gout.
- 2-In case of Egg binding and dystocia when fail the medical therapy we can induce of manual manipulate of the patient that include by?
- 3-Write short notes about laboratory diagnosis for Duck viral hepatitis
- 4-Talk briefly about P.M. lesions for Duckling septicemia.

**Q5) Define the flowing ( choose 5only) (20 marks)**

- 1) Infectious coryza 2) Reticuloendotheliosis 3) Cannibalism 4) Heat stress
- 5) Gastrocnemius tendon rupture 6) Mangemental disorders.

**Q6) Enumerate the causes of heat stress. (10 marks)**

**Good Luck**

**Chief of Branch:**

**Dr.Siham A. Wadi**

**Lecturer:**

**Ismeal A. Hassan**

**Nawar A.Jassim**

**Abdul-Jabbar M.Hussein**