

South Valley University
Faculty of Veterinary Medicine
Parasitology Department

Course: Helminthology.
Date: 10/ 1 /2016



جامعة جنوب الوادي
كلية الطب البيطري
قسم الطفيليات

Time allowed: 3hrs

Total Marks: 50 Ms.

Please Answer the following questions with illustrations as possible:

I-Compare between:-

(12.5 Ms.)

- a-*Trichinella spiralis* and *Spirocerca lupi* (Life cycle)
- b-*Capillaria hepatica* and *Subulura brumpti* (Host,habitat, mode of infection)
- c-*Hymenolepis diminuta* and *Amoebotaenia sphenoides*.
- d-*Dactylogyrus* and *Gyrodactylus*.
- e-*Oxyuris* and *Trichuris* (adult & egg)

II-Write short notes on :-

(12.5 Ms.)

- a-Visceral larva migrans.
- b-Freshwater snails.
- c-*Ancylostoma caninum*.
- d-Gid disease.
- e-Post-embryonal development of Nematodes.

III-Illustrate the life cycle of :-

(12.5 Ms.)

- a-*Habronema microstoma*.
- b-*Paramphistomum* spp.
- c-*Strongylus vulgaris*.
- d-*Monjezia expansa*
- e-*Echinostoma revolutum*.

IV-In a table ; mention:- the Habitat, Infective stage , Intermediate host
(if present) and the Final host of the following parasites: (12.5 Ms.)

- | | | |
|--------------------------------------|-------------------------------------|----------------------------|
| 1- <i>Gastrodiscus aegyptiacus</i> . | 2- <i>Heterophyes heterophyes</i> . | 3- <i>Accuria</i> spp. |
| 4- <i>Dipylidium caninum</i> . | 5- <i>Taenia saginata</i> . | 6- <i>Echiococcus</i> spp. |
| 7- <i>Toxocara vitulorum</i> . | 8- <i>Syngamus trachea</i> . | 9- <i>Sanguinocola</i> spp |
| 10- <i>Dicocoelium dentriticum</i> | 11- <i>Metastrongylus apri</i> . | 12- <i>Diplozoon</i> spp. |
| 13- <i>Diphylobothrium latum</i> . | | |

Prof. / Mahmoud A. El-Scify
Prof./ Khalid M. El-Dakhaly



1st Semester Examination for 3rd Year Students

Date: 177/1/2016

Time allowed: 3 hours

(Total Mark: 50)

All questions to be answered

I- Do as shown in between brackets:

(16 marks: 4 Marks/each)

- 1- Active transport and simple passive diffusion of drugs (**Compare**).
- 2- Drug/drug interactions during excretion (**Comment**).
- 3- Receptor agonists and antagonists (**Give an account**).
- 4- First-order and Zero-order kinetics models of drug excretion (**Mention the differences in a table**).

II- What do you know about:

(18 marks: 3 Marks/each)

- 1- Pharmacological actions of acetylcholine on cardiovascular system, eye and exocrine glands.
- 2- Mechanism of action and therapeutic uses of amphetamine.
- 3- Clinical uses of muscle relaxants (neuromuscular blockers).
- 4- Atropine substitutes.
- 5- The main differences between adrenaline and ephedrine.
- 6- Therapeutic uses of prostaglandins (In obstetrics and gynaecology).

III- Write short notes on:

(16Marks)

- 1- Classification of tranquilizers (give examples) with special reference to mechanism of action, clinical uses and major contraindications of xylazine. **(4 Marks)**
- 2- Criteria and types of neurotransmitters according their effect with examples. **(3 Marks)**
- 3- Mechanism of action and clinical uses of Xanthines. **(3 Marks)**
- 4- Comparison between narcotic and non-narcotic analgesics (in table). **(3 Marks)**
- 5- The pharmacological actions of morphine on CNS, CVS, GIT, and urinary tract. **(3 Marks)**

With Our Best Wishes



Faculty of Vet. Med.
Dept. of Food Hygiene

المركز الجامعي للإبحار
طه عبد شريف



South Valley University

Hygiene of milk

3rd year students

January 2015

Time 3 hours

Please answer the following questions:

1-Write short notes on: (4 deg. each)

- a) Deterioration of milk fat.
- b) Nutritive value of lactose.
- c) Enzymes responsible for certain changes in milk constituents.

- 2- a) Enumerate zoonotic diseases that can be transmitted through consumption of milk, State the causative organisms & control measures? (8.5 deg.)
- b) What are the changes occur in raw milk sample immediately after milking when kept at room temperature? (4.5 deg.)

3- Give full account on the following

- a) Fecal contamination of milk (5 deg.)
 - b) Abortus Bang Ring Test (3.5 deg.)
 - c) Thermoduric and thermophilic microorganisms (4 deg.)
- 4- a) What are the changes that may occur in milk constituents due to mastitis? Enumerate Field tests for its detection and describe one of them. (4.5 deg.)
- b) Methods of pasteurization, stating in a flow diagram the process of pasteurization and CCP. How can you prove that a given sample of milk is efficiently boiled? (5 deg.)
- c) What is meant by HACCP? Enumerate the preliminary steps and principles of HACCP system. (3 deg.)

Good Luck,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,



قسم الباثولوجيا والباثولوجيا الاكلينيكية

Pathology And

Clinical Pathology Department



جامعة جنوب الوادي - قنا

South Valley University, Qena

3hr

كلية الطب البيطري

Faculty of Veterinary Medicine

امتحان الفرقة الثالثة - مادة باثولوجيا عامه (2015)

Final Examination, general Pathological (2015)

All questions to be answers:

1- Write fully on the following: (14 degree)

- a- Differentiation between suppurative and fibrinous inflammations and how the abscess formation. (5degree)
- b- Differentiation between neutrophil and eosinophil cells. (5 degree)
- c- Structure and function of macrophage cells. (4 degree)

3- Write on the following: (12 degree)

- a- Healing by fibrosis. (degree 3)
- b- Types of granuloma. (degree 3)
- c- Types and pathogenesis of infarction. (degree 3)
- d- Causes and pathogenesis of edema. (degree 3)

4-Write short notes on the following: (12 degree)

- a- Pathogenesis of amyloidosis. (degree 3)
- b- Hemosiderosis in lungs. (degree 3)
- c- Toxic jaundice. (degree 3)
- d- Moist gangrene. (degree 3)

5- Write short notes on the following: (12 degree)

- a- Differentiation between hyperplasia and metaplasia. (degree 3)
- b- Liquifactive necrosis. (degree 3)
- c- Morphological characteristics of anaplasia. (degree 3)
- d- Paraneoplasia syndromes. (degree 3)

Thank you



South Valley
University

Second Semester Examination
Subject: Animal & Clinical Nutrition
Level: Third year

Faculty of Veterinary Medicine
Department of Animal Nutrition

Date: 20/5/2014

Time allowed: 3 hours

Please answer all the following questions:

I- Write fully on the followings:

- a- Factors affecting feed intake and feed conversion of broilers. (5 marks)
- b- Tabulate the energy & protein requirements in broilers & layers (5 marks)
- c- Nutrition and egg quality (6 marks)

II- Explain:

- a- Phase feeding of dairy cows and feeding of dry cow. (7 marks)
- b- Consequences of underfeeding on young and mother. (5 marks)
- c- Energy and protein requirements for maintenance. (6 marks)

III- Write briefly on the followings:

- a- Feeding ewes during pregnancy and suckling periods. (6 marks)
- b- Nutritional diseases of sheep and goats (5 marks)
- c- Methods of fish farming and fish feeding (5 marks)

Good luck

مع أطيب الأمنيات بالنجاح و التوفيق

Examiner Committee: Staff member of Animal & Clinical Nutrition

17/10/18 PM

الفوقه لجانته

البار

South Valley University
Faculty of Veterinary Medicine
Milk Hygiene
Third year Exam

June 2008

Time: 3 hours

Please, answer four questions only:-

1- Milk products, may at times be responsible for food poisoning outbreaks among consumers. Enumerate the different types of bacterial food poisoning and the causative organisms, stating the sources of contamination and control measures. (12.5 deg.)

2- Write short notes on:-

- a)- Faults that may occur in milk powder, mention the causes. (4.5 deg.)
- b)- Explain how can you detect adulteration of butter by foreign fat. (8 deg.)

3- Comment on the following:-

- a) - Blown cans of condensed milk, (4 deg.)
- b) - Sandiness of ice-cream. (4 deg.)
- c) - Rancidity of butter. (4.5 deg.)

4- Describe the faults which may be present in:-

Soft cheese – Yoghurt – Cream.

Mention the causes and how to prevent. (12.5 deg.)

5- a)- Enumerate the diseases that may be transmitted to consumers through consumption of eggs and egg- products. State the causes and sources of each. (4.5 deg.)

b)- What are the changes which usually occur to eggs if stored for long time under unhygienic conditions? State how can you detect these changes? (8 deg.)

Good Luck



المادة - بيض
الوقت - 3 ساعات

South Valley University
Faculty of Veterinary Medicine
Dept. of Animal & Clinical Nutrition

Third Year

May 2008

Time: 3 hours

Please answer the following questions:

I-Explain:

- 1-The high producing dairy cow is very susceptible to a variety of metabolic problems.
- 2-Rabbit diets need certain levels of energy, protein and crude fibre, write on protein quality and value of fibre.
- 3-Raising young animals for meat production is more economic than older ones.

II-Discuss:

- 1-The energy needs of animals for pregnancy and milk production.
- 2-The requirements of protein and energy for broilers, laying hens and turkeys.
- 3-Factors influence the nutrient requirements of fish and mention the different methods of fish farming..

III-Write briefly on:

- 1-The effect of work on the nutrient requirements of horses and camels.
- 2-Factors that affect feed conversion of poultry.
- 3-Nutritional support of the diseased animals.

IV-How do you feed?

- 1- Pregnant ewes during the last 4-6 weeks before lambing.
- 2- A cow in dry period.
- 3- A hard working animal.

Good Luck

الفوقه لئانه

البارة

South Valley University
Faculty of Veterinary Medicine
Milk Hygiene

Third year Exam

June 2008

Time: 3hours

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1- Milk products, may at times be responsible for food poisoning outbreaks among consumers. Enumerate the different types of bacterial food poisoning and the causative organisms, stating the sources of contamination and control measures. (12.5 deg.)

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Soft cheese – Yoghurt – Cream.

Mention the causes and how to prevent. (12.5 deg.)

5- a)- Enumerate the diseases that may be transmitted to consumers through consumption of eggs and egg- products. State the causes and sources of each. (4.5 deg.)

b)- What are the changes which usually occur to eggs if stored for long time under unhygienic conditions? State how can you detect these changes? (8 deg.)

Good Luck

Please, answer FOUR questions only:

- 1- a) What are the sanitary measures recommended for production of raw milk of low bacterial counts? (6.5 deg.)
b) Describe the procedures you can recommend for determination of the total bacterial counts in sample of pasteurized milk? (6 deg.)
- 2- a) How can you detect fecal contamination in a sample of milk?(6 deg.)
b) What are the enzymes which are important in milk control? Describe the tests used for their detection? (6.5 deg.)
- 3- a) Explain to what extent the constituents of milk are affected by mastitis infection. Describe two rapid tests used for detection of mastitic milk? (6.5 deg.)
b) Mention the methods of detection and the public health hazard of antibiotic residues in milk? (6 deg.)
- 4- Write short notes on the following:
a- Methods of pasteurization of milk. (4 deg.)
b- Changes in milk samples kept at room temperature. (4 deg.)
c- Psychrotrophic and halophilic microorganisms. (4.5 deg.)
- 5- a) Enumerate the diseases which transmitted from animal to man through consumption of raw milk. State the causative microorganisms? (6.5 deg.)
b) How can you isolate tubercle bacilli from a sample of milk? (6 deg.)

GOOD LUCK

North Valley University
Faculty of Veterinary Medicine
Parasitology Department



جامعة جنوب الوادي

جامعة جنوب الوادي
كلية الطب البيطري
قسم الطفيليات

امتحان مادة الطفيليات
الفرقة الثالثة

الفصل الدراسي الأول للعام الجامعي ٢٠٠٧/٢٠٠٨ م.
الأحد ٢٠٠٨/١/٢٠ م.

Time Allowed 3 hours

Please Answer the Following Questions with Illustrations:

I-Give an account on development of Cestodes.

II- Write on :

- a- Nematodes of large intestines of sheep.
- b- Trematode parasites of fish.

III- In a table, mention:

Species, habitate , infective stage, life cycle and pathogenicity of Poultry Nematodes.

IV- Write short notes on:

Species, habitate, infective stage, life cycle and pathogenicity of Flukes of Cattle.

With Our Best Wishes

South Valley University
Faculty of Veterinary Medicine
Department of Pathology

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Time allowed: 3 hours

Third-Year Examination (June, 2008)

Write full account on:

- 1- Different types of stomatitis and describe one of them.
- 2- Different types of enteritis and describe one of them.
- 3- Types of liver cirrhosis and its complications.
- 4- Common types of pericarditis in ruminants.
- 5- Kidney in case of partial and complete corresponding uretral obstruction.
- 6- Sequellae of disruption of blood testis barrier.
- 7- Gross and microscopical pictures of endometeritis.
- 8- Microglia cell reaction.
- 9- Recent classification of pneumonia.
- 10- Types of rhinitis and its causes.

الفرقة الثالثة

باثولوجيا

South Valley University
Faculty of Veterinary Medicine
Department of Pathology

Time allowed: 3 hours

Final-Year Examination (General Pathology)

(January, 2008)

I- Write short accounts on only five points:

- | | |
|--|-----|
| 1- Fatty degeneration in heart. | 3 d |
| 2- Pathological significance of hemosiderosis. | 3 d |
| 3- Amyloidosis in kidney. | 3 d |
| 4- Obstructive jaundice. | 3 d |
| 5- Coagulative necrosis. | 3 d |
| 6- Brown atrophy pigments. | 3 d |

II- Write short accounts on only five points:

- | | |
|--|-----|
| 1- General functions of inflammatory response. | 3 d |
| 2- Changes in blood flow and its consequences in inflammation. | 3 d |
| 3- How cytokines influence on inflammatory reaction. | 3 d |
| 4- Antigen-presenting cells. | 3 d |
| 5- Significance and effects of fibrinous inflammation. | 3 d |
| 6- General features of chronic inflammation compared to acute one. | 3 d |

III- Write short accounts on:

- | | |
|---|-------|
| 1- Lesions occur as a result of mitral stenosis. | 2.5 d |
| 2- Polycythemia and thrombosis. | 2.5 d |
| 3- Types of anoxia. | 2.5 d |
| 4- When and where obstruction of blood vessel result in red infarction. | 2.5 d |

III- Write short accounts on:

- | | |
|---------------------------|-------|
| 1- Types of atrophy. | 2.5 d |
| 2- Metaplasia. | 2.5 d |
| 3- Hyperplasia. | 2.5 d |
| 4- Features of anaplasia. | 2.5 d |

Good luck

Please answer the following questions:

1-Write on:

- a-Diseases resulted from disturbances in metabolism & explain fully one of them.
- b-Crude fibre and its digestion products in ruminants.
- c-The common effects of energy and protein deficiencies in livestock rations.

2-Discuss:

- a-Importance of vitamin A for farm animals and poultry.
- b-Bone disorders may be caused by a deficiency of some minerals.
- c-Vitamin antagonists and avitaminosis.

3-Give full account on:

- a-Types of feed additives & explain one of them.
- b-General functions of minerals in animal nutrition.
- c-Exudative diathesis and grass tetany.

4-Explain:

- a-Selenium-Vit.E relationship.
- b-Nitrogen conservation by ruminants.
- c-The essentiality of most trace-elements for production and fertility in animals & poultry.

South Vally University
Faculty of Veterinary Medicine
Pharmacology Department

Pharmacology exam. For third year students

6 / 1 / 2008

Time : 3 hours

ملحوظة:

- خمس درجات لكل سؤال.
- اجابة كل سؤال فى صفحه منفصله.

Write on **All** the following questions:

- 1- **Neuroleptic tranquilizers**, mechanism of action, actions and uses.
- 2- **Salicylates**, CNS & cardiovascular effects and uses.
- 3- **Injectable anaesthetics**, classification, advantages and disadvantages, mode of action and uses.
- 4- **Anti-histaminics**, classification, actions and uses .
- 5- Compare between **competitive and depolarizing** skeletal muscle relaxants.
- 6- **Pharmacokinetic**, drug - drug interactions.
- 7- **Drug distribution**, factors affecting and sites.
- 8- **Bioavailability**, types , measurements and significance.
- 9- **Synthetic corticoids**, general considerations and uses.
- 10- **Antiadrenergics**, classification according to mechanism of action, actions and uses.

=====

GOOD LUCK



Parasitology Exam., 2nd semester, June 2008. و 11/6
3rd Year Time Allowed: 3 hrs.

Answer The Following Questions With Illustration:

- I- Mention: the general characters, life cycle and medical importance of blood sucking flies that have squamae and frontal lanula. (10 marks).
- II- In a cattle farm, you found some of them with high fever and red urine. What is the parasite you suspect to do that ? , mention its species in cattle, its life cycle and diagnosis, and then mention the morphology, types and the life cycle of its vector. (15 marks)
- III- Write a full account on : (12.5 marks)
 - 1- Scaly leg disease.
 - 2- Black head disease.
 - 3- Sexual multiplication of Protozoa.
 - 4- Life cycle of Mosquitoes.
- IV- Write short notes on : (12.5 marks)
 - 1- Life cycle of *Plasmodium*.
 - 2- Life cycle of human Trypanosomes.
 - 3- Copipoda parasites.
 - 4- *Hypoderma* species.

Good Luck



جامعة جنوب الوادي

South Valley University
Faculty of Veterinary Medicine
Dept. of Microbiology
Date: 8-6-2008

Third year examination
Time: 3 hour



I- part one: Systematic Bacteriology (25) Mark

Mention the etiology and how to deal with the following disease:-

- A- Bang's disease.
- B- H.S in cattle.
- C- Pulpy kidney disease in lambs.
- D- Wool sorters disease.
- E- Pullorum disease in poultry.

II-part two: Systematic Virology & Mycology (25) Mark

Briefly outline the laboratory diagnosis of the following infection:-

- A- Rabies in domestic animals.
- B- FMD.
- C- Rift valley fever.
- D- Avian influenza.
- E- Candidiasis in poultry.

GOOD LUCK



جامعة جنوب الوادي

South Valley University

Faculty of Veterinary Medicine

Dept. of Microbiology

Date: 9- Jan.- 2008

Third year examination

Time: 3 hour

Part one: General Bacteriology & Mycology

(25) Mark

I-Write short notes on the following: -

A-Life phases of culture.

B-Types of plasmid.

C-Lytic cycle of phage multiplication.

D-Mechanism of action of antibiotics.

II-Describe the morphological classification of fungi?

Part two: General Virology

(10) Mark

Give an account on: -

A-Virus cultivation and propagation.

B-Interferon.

Part three: Immunology

(15) Mark

Write fully on the following: -

A-Bacterial antigens.

B-Type-I hypersensitivity.

C-Differences between T- and B- lymphocytes.