

Chittagong Veterinary and Animal Sciences University
Department of Pathology and Parasitology
MS in Pathology
July-December Semester Final Examination 2021
Course title: Pathology of Extraneous Poisoning
Course code: PPT-602; Full marks: 40, Time: 2 hours

(Figures in the right margin indicate full marks. Answer any 5 questions from the following)

1. a. Make a list of common plant poisoning along with the toxic constituents of each in domestic animals. 3
b. Write a short note on nitrate and nitrite poisoning in animals. 5
2. a. Describe the acute and chronic arsenic poisoning in domestic animals? 6
b. Write down the sources of arsenic poisoning. 2
3. a. What are the sources of lead poisoning in domestic animals? 2
b. Write down the clinical signs and post mortem lesions of lead poisoning. 6
4. a. What is neuro-lathyrism? 2
b. List the toxic constituents of snake venom. 1
c. Describe hemotoxicity caused by snake venom. 5
5. a. What is the most characteristic necropsy finding of cyanide poisoning?
Write down its pathogenesis. 4
b. Sketch the pathogenesis of pesticide poisoning. 4
6. a. Make a check list for the diagnosis of poisonous diseases in animals? 3
b. Write a short note on urea poisoning. 5

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July- December Semester Final Exam. 2021
Sub: General Pathology. Course code- GPT-602
Total Marks- 40, Time- 2 hours.

Figures in the right margin indicate full marks. Answer any FIVE questions.

1. (a) Show the mechanism or pathogenesis of acute cellular swelling in sketch form. 5.0
(b) Differentiate necrosis from post mortem autolysis. 3.0
2. (a) How exudates are formed during inflammation? 2.0
(b) Briefly describe the functions of neutrophils and macrophages. 5.0
(c) How eosinophils can kill a parasite? 1.0
3. (a) What type of gangrene is found in animals due faulty administration of irritant medicine? Write down the microscopic lesions and significance of of gangrene. 5.0
(b) Write down the gross and microscopic lesions of infarcts. 3.0
4. (a) Classify hemorrhage. How you will differentiate hemorrhage from hemorrhagic inflammation? 3.0
(b) What is thrombo-emboli? What type of thrombus is usually responsible for the formation of thrombo-emboli? 2.0
(c) Write down the gross and microscopic lesions of fatty change. 3.0
5. (a) Write down the causes and pathogenesis of hemolytic and toxic jaundice. 6.0
(b) What is photosensitization? Show it's mechanism in sketch form. 2.0
6. (a) Describe in vivo microscopic properties of neoplastic cells. 5.0
(b) Define and classify atrophy. 3.0

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Course title: Immunopathology
Course code: IPT-602; Full marks: 40, Time: 2 hours

(Figures in the right margin indicate full marks. Answer any 5 questions from the following)

1. a. What is immunopathology? 2
b. Write down the name of cells and their functions in immune system of animal body. 6
2. a. What do you understand by hypersensitivity reaction? 2
b. In which hypersensitivity reaction mast cell gets sensitized? Write down its pathogenesis. 6
3. a. Define autoimmunity. Classify autoimmune diseases. 3
b. Write a short note on erythroblastosis fetalis. 5
4. a. Write down the causes of immunodeficiency diseases. 2
b. Describe the pathogenesis of systemic lupus erythematosus. 6
5. a. Define – autografts, isografts, allografts and xenografts. 4
b. What is the reason of transplantation rejection? 4
6. a. Enlist the organs involved in immune system in a living body. 2
b. What is acquired immunodeficiency syndrome (AIDS)? 2
c. Write a short note on myasthenia gravis. 4

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MS in Pathology
July- December Semester Final Exam. 2021
Sub: Avian Pathology. Course code- APT-602
Total Marks- 40, Time- 2 hours.

Figures in the right margin indicate full marks. Answer any FIVE questions.

1. Name the vertically transmitted and immuno-suppressive diseases of poultry. Describe the pathogenesis and pathology of fowl typhoid. 8.0

2. (a) What are the conditions found in poultry due to deficiency and excess of different vitamins? Describe the disease conditions in poultry due to deficiency of vitamin A. 5.0

(b) Describe the conditions produced in poultry due to mycotoxins. 3.0

3. What is the relationship between coccidiosis and necrotic enteritis in poultry? Write down the causes, pathogenesis and pathology of coccidiosis in chickens. 8.0

4. (a) Why it is very difficult to control mycoplasmosis in poultry? Write down the pathogenesis and pathology of mycoplasmosis in a broiler flock. 5.0

(b) Write a short note on brooder pneumonia. 3.0

5. (a) In which disease there is found watery albumin in eggs? Write down its pathogenesis and pathology. 5.0

(b) Write down the pathogenesis of avian influenza. 3.0

6. Write down the post mortem findings of the following diseases: (any four): 8.0
(a) Newcastle disease, (b) Fowl cholera, (c) Avian chlamydiosis, (d) IBD, and (e) Duck plague.