#### Chittagong Veterinary and Animal Sciences University Department of Pathology and Parasitology MS in Pathology

#### January-June Semester Final Examination 2021 Course Title: Pathology of Bacterial and Viral Diseases, Course Code: BVD-601 Full marks: 40, Time: 2 hours

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

	7		
1.	a)	Summarize Kotch's postulates of bacterial infections with some exceptions.	2
	b)	Write down the general features of immunity to pathogens.	2
	c)	Write with diagram the innate and acquired immunity against intracellular bacteria.	4
2.	a)	What are the postmortem findings of anthrax in cattle.	2
* *	b)	How will you diagnose tuberculosis?	. 1
	b)	Write down the transmission, pathogenesis, gross lesions, microscopic lesions and diagnosis of black quarter in cattle.	5
3.	a)	Write down the pathogenesis of different forms of enteric colibacillosis.	2
	b)	Write down the pathology of glanders in horse.	2
	b)	Write down the pathogenesis and pathology of brucellosis in cattle.	4
4.	a)	Briefly describe the pathogenesis of rabies in animals.	3
	b)	Write in brief the pathogenesis, pathology of canine distemper.	5
5.	a)	How does immunosuppression occur in rinderpest? Write down its pathology.	2.0
	b)	Describe briefly the pathogenesis of following diseases:	3X2=6
		i) Bovine viral diarrhea and mucosal diseases, ii) Parvovirus infection in dog	*
6.	a)	Write down the pathogenesis of Foot and Mouth Disease.	2
x e	b)	Write short notes on (any two):	3X2=6
3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	w ne	i) Scrapie, ii) Papillomatosis, iii) Vesicular exanthema	

## Chittagong Veterinary and Animal Sciences University Department of Pathology and Parasitology MS in Pathology

## January-June Semester Final Examination 2021 Course Title: Pathology of Parasitic Diseases, Course Code: PPT-601 Full marks: 40, Time: 2 hours

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

1.	a)	Define immune response. Why immune response against helminthic infection is challenging?	0.5+1.5
	b)	Describe innate and acquired defenses of host against protozoan infections.	6.0
2.	a)	How ascariasis occurs in young animals?	2.0
	b)	Illustrate the pathological conditions and their consequences those are occurred due to fascioliasis.	6.0
			100
3.	a)	Enumerate the pathological effects of helminthic parasites upon the host.	2.0
	b)	Write down the pathogenesis, pathology and clinical significance of oesophagostomiasis.	6.0
4.	a)	Define and classify myiasis with examples.	3.0
	b)	Write in brief the pathogenesis, pathology and diagnosis of cutaneous acariasis.	5.0
5.	a)	Enlist five species of hemo-protozoa of different genera. How will you diagnose them in laboratory? What will be your control strategy?	0.5+2.0
	b)	Describe briefly the pathogenesis, pathology and clinical significance of babesiosis in animals.	4.0
6.	a)	Define coccidiosis. Enlist five species of Eimeria and their locations in cattle.	1.0+2.0
	b)	Write down the clinical signs, pathogenesis, pathology and diagnosis of coccidiosis.	5.0

# Chittagong Veterinary and Animal Sciences University Faculty of Veterinary Medicine MS January-June Semester Final Examination 2021 MS in Pathology

Course title: Pathology of Metabolic Diseases

Course code: MPT-601 Full marks: 40, Time: 2 hours

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

120	a. Differentiate metabolic diseases from nutritional deficiency diseases?	3
1.	a. Differentiate metabolic diseases from nutritional devices.  b. Write down the etiology and pathogenesis of hypomagnesaemia.	5
_	YVI - 1 or or or or or azoturia than cattle?	2
2.	<ul><li>a. Why horses are prone to azoturia than cattle?</li><li>b. Describe the events responsible for death from azoturia in horses.</li></ul>	6
3.	What happens when a cow is suffered with calcium deficiency at post parturient period?	8
4	a. Write down the etiology of post parturient hemoglobinuria along with its pathogenesis?	5
4.	b. Enlist the changes occure in muscles in vitamin E and selenium deficiency.	3
5.	Write down the consequences of impaired CHO and volatile fatty acid metabolism in cows.	8
		4
6.	a. What do you understand by 'fat ewe syndrome'?	1
	b. Describe the pathology of azoturia.	-