

COLLEGE

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF DIPLOMA IN ANIMAL HEALTH AND PRODUCTION

ANHE 0101: GROSS ANATOMYH AND EMBRYOLOGY

STREAM: DIP. ANHE Y1S1 TIME: 2 HOURS

DAY/DATE: MONDAY 26/7/2010 8.30 A.M. - 10.30 A.M.

INSTRUCTIONS:

- Answer all questions.
- Start answering each question on a new page.
- Q.1 (a) Briefly define the following:
 - (i) Germ layers
 - (ii) Secondary oocyte
 - (iii) Semineferous tubules
 - (iv) Morular
 - (v) Primordial germ cells

[10 marks]

- (b) Describe the formation of the following:
 - (i) Embryonic mesoderm
 - (ii) Yolk sac
 - (iii) Notochord
 - (iv) Post puberty follicle

[10 marks]

- Q.2 (a) List the functions of skeletal system.
 - (b) Describe the thoracic inlet, and name all structures that pass through it.

	(c)	Name the bones that comprise the skeleton of the following:				
		(i) (ii)	Fore limb Pelvic skeleton	[18 marks]		
Q.3	(a)	Give two examples of the following types of joints:				
		(i) (ii) (iii) (iv) (v)	Hidge joints Ball and socket joints Serrated sutures Symphysis joints Composite joints			
	(b)	List five joints of hind limb from proximal to distal aspect.				
	(c)		the components of respiratory system and give thup bovine lungs.	e lung lobes that [20 marks]		
Q.4	Write short notes on the following:					
	(i) (ii) (iii) (iv) (v)	Ligamentum nuchae Para lumba fossa Diaphragm Prescapular lymph node Longismus dorsi muscle				
	On av	erage li	mit your notes to a maximum of six lines on each of	the above. [20 marks]		
Q.5	(a)	Draw	and label a female ruminants reproductive organs.	[10 marks]		
	(b)	Name	the blood vessels that play the following role in the	body:		
		(i) (ii) (iii) (iv) (v) (vi) (vii) (viii) (ix)	Carry oxygenated blood from the lungs Supply arterial blood to the head Carry venous blood from the head Supply arterial blood to small intestines Supply arterial blood to uterus Supply of arterial blood to kidneys Carry deoxygenated blood to placenta Supply of arterial blood to the liver Carry mesenteric blood to the liver	[4 marks]		

	(i)	Teeth	
	(ii)	Mammary glands	
	(iii)	Testis	
	(iv)	Peritoneum	
	(v)	Liver	
	(vi)	Brain	
	(vii)	Femur	
	(viii)	Abdominal muscles	
	(ix)	Blood	
	(x)	Pancreas	[5 marks]
(d)	What	are endocrine glands? Give two examples.	[3 marks]