Chittagong Veterinary and Animal Sciences University
DVM 1st Year 2nd Semester Final Examination-2014
Course Title: Fodder Production (Theory)
Course Code: FPR-102 (T)
Full Marks: 35, Time: 2 Hours

(Figures in the right margin indicate full marks. Answer any **two (2)** questions from each section of which question no.4 is compulsory. Use separate answer scripts for each section.)

Section-A

1.	a.	Define and classify weed with examples. How weeds affect the fodder and soil?	4
	b.	Discuss the methods of sowing, rate of seed and total yield of Napier, German, Para, Ipil-ipil and Maize as fodder.	5
2.	a.	Define fertilizer. What are the differences between organic and inorganic manure?	4
	b.	Define farm yard manure (FYM). Write down the preservation methods of FYM.	5
3.	a.	What do you know about preservation of fodder? Discuss how does the silage preserved?	4
	b.	Mention the characteristics of good quality silage and silage standards.	5

Section-B

4.	a.	Define Fodder. Why it is necessary to promote fodder production in Bangladesh?	4
	b.	Classify fodder. Write the common and scientific name of four (4) perennial legumes and four (4) non-legume fodder.	4
5.	a.	How soil gets saline? How can you reclamate alkanity of soil?	4
	b.	What is acidic soil? Discuss the cause of soil acidity and its effects on plants.	5
6.		Write short notes on (any 3)	3×3 = 9
	a.	Soil buffering	
	b.	Maize as a fodder	
	c.	Principle of irrigation	
	d.	Agro-ecological zones in Bangladesh	

DVM 1st Year 2nd Semester Final Examination-2014
Course Title: Histology and Embryology– II (Theory)
Course Code: HEM-102 (T)
Full Marks: 70; Time: 3 Hours

(Figures in the right margin indicate full marks. Answer any five **(5)** questions from each section. Use separate answer scripts for each section.)

Section-A

1. a. Draw and label the histology of a gastric gland indicating different cells located at the fundic region of a stomach. 3
   b. Classify salivary glands according to their nature of secretion. Describe the histology of any one of them. 4

2. a. Differentiate bronchus from bronchiole histologically with figures. 4
   b. Give the histological features of the respiratory portions of lung. 3

3. a. Describe the portal lobule of a liver with indicating direction of blood and bile flow. 4
   b. Compare the histology of mammary gland with thyroid gland in a tabular form with diagrams. 3

4. a. Histologically differentiate among lymph node, spleen, thymus and tonsil in a tabular form. 4
   b. Briefly describe the histology of thymus. 3

5. a. Histologically classify capillary with neat diagrams. 3
   b. Histologically differentiate between artery and vein. 4

6. a. Define and classify placenta based on the distribution of chorionic villi on the chorionic surface. 3
   b. Explain why monozygotic twin looks identical. 2
   c. How does testicular development suppress the development of female genital system in fetus? 2

Section-B

7. a. Describe briefly the histology of dermis of skin of cattle. 4
   b. Give the histology of a taste bud in tongue of goat. 3

8. a. Briefly describe the histology of the adrenal cortex of a goat. 5
   b. List the histological structures of blood air barrier in lung in sequential order. 2

9. a. Describe the histology of the secretory phase of uterus of a goat. 4
   b. Describe the histology of the pars distalis of pituitary gland. 3

10. a. Differentiate between the histological structures of prostate gland and seminal vesicle of a bull. 4
    b. Draw and label the graffian follicle of ovary of cattle. 3

11. a. Draw and label the histology of spinal cord. 3
    b. Draw and label the histological structures of different segments of a nephron. 4

12. a. Give the histology of the juxtaglomerular apparatus of a nephron. 3
    b. Briefly describe the histology of the urinary bladder of a goat. 4

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