

Department of Anatomy and Histology
Chittagong Veterinary and Animal Sciences University
MS in Anatomy
January –June Semester Final Exam '2022
Subject: Cell Biology & Veterinary Histology
Course Code: CVH -601
Total marks: 40

Answer any 4 (four) questions from the followings.

4x 10=40

1. a. Describe different types of Junctional complex of a cell.
b. Describe different types of cellur RNA with their functions.
2. a. Briefly mention the special characteristics of transitional epithelium.
b. Draw and label Fibroblast, Fibrocyte, Plasma cell, Adipose cell, Mast cell, and Monocyte.
3. a. What is synapse? Write down different types of synapses.
b. Describe a liver lobule.
4. a. Write down the histology of pancreatic Islets.
b. Draw and label a respiratory bronchiole, alveolar duct, and lung alveoli.
5. a. Mention the filtration barrier in the Glomerulus.
b. Describe the cells of medulla of an adrenal gland.

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Course Title: Developmental Anatomy, Course Code: DNA-601

Full Marks-40, Time: 2 hour

Answer any **eight** questions. Each question has equal marks. $8 \times 5 = 40$

1. Define ovulation. Briefly describe ovulation process with diagram(s).
2. Define cleavage. Briefly describe the mechanism of zygote formation.
3. Briefly describe the developmental stages of embryo.
4. What do you know about gastrulation and explain it.
5. Define placentation. Classify placenta with examples.
6. Briefly describe the fetal membranes in a conceptus.
7. Briefly describe the developmental of the digestive system in a fetus.
8. Describe how the brain and spinal cord are developed in a fetus.
9. Briefly describe the developmental of the respiratory system in a fetus.
10. Write a short note on somite and genetic code.