

Chattogram Veterinary and Animal Sciences University
Department of Anatomy and Histology
MS in Anatomy (January-June) Final examination, 2024
Course Title: Cell Biology and Veterinary Histology (Theory)
Course Code: CVH-601
Full Marks 40
Time 2 hours

Answer 8 (eight) questions from the followings:

Marks (5×8) =40

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| 1) Briefly describe the different types of cellular adhesion. | 5 |
| 2) Illustrate the differences between mitosis and meiosis. | 5 |
| 3) a) Classify the surface epithelia with examples. | 2 |
| b) Give the location of pseudostratified ciliated columnar epithelia. Draw and label it. | 3 |
| 4) a) What are the connective tissue fibers? | 2 |
| b) Differentiate among cartilages histologically. | 3 |
| 5) a) Draw and label the contractile unit of skeletal muscle fiber. | 2 |
| b) Briefly describe the neuroglia. | 3 |
| 6) a) Illustrate the histology of gastric gland. | 3 |
| b) Draw and label the histology of duodenum. | 2 |
| 7) a) Explain the structures of Blood Air Barrier. | 3 |
| b) Illustrate the histology of Blood Brain Barrier. | 2 |
| 8) Draw and label the different types of ovarian follicles of cow. | 5 |
| 9) a) Explain the histology of Blood Testes Barrier. | 3 |
| b) Draw and label the histology of epididymis in ox. | 2 |

Good Luck

Chittagong Veterinary and Animal Sciences University

Department of Anatomy and Histology

MS in Anatomy, January-June Semester Final Examination' 2024

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

Full Marks-40, Time: 2 hour

Answer any **eight** questions. Each question has equal mark. (8 x 5 = 40)

1. Describe the biophysical mechanism of ovulation.
2. Briefly describe the stages of fertilization with figure.
3. Define embryoblast and describe how to form it with figure.
4. Briefly describe the process of formation of three germ layers.
5. Classify placenta on the basis of histological structures involved with examples.
6. Briefly describe the fetal membranes in a conceptus with their functions.
7. Briefly describe the developmental process of the respiratory system in a fetus.
8. Describe the developmental process of the central nervous system in a fetus.
9. Briefly describe the organogenesis of a kidney in a fetus.
10. How to develop a heart in a fetus.