



Final Exam

Department: Zoology

Major: 2d year Botany
and microbiology

CourseTitle: Aimal Physiology

Code number: 201 Z

Mark: 90 Marks

Date: 23 / 1 /2025

Q1. -Write short notes on:

(30 degrees)

- a- Different types of white blood cells.
- b- Different types of antibodies and their functions.

Q2. –Compare between:

(30 degrees).

- a- Natural and acquired immunity.
- b- Granular white blood cells.
- c- Neurons and other cells.
- d- Parasympathetic and sympathetic nervous system
- e- Serum and vaccine.
- f- Spinal nerves and cranial nerves.

Q3. What are the functions of:

(15 degrees)

- Neurotransmitters?
- Nodes of Ranvier?
- Myelin sheath?

Q4

(15 degrees)

Write short notes on:

- 1- Organization of nervous system.
- 2- Types of neurons.

With my best regards

Prof Dr. Kadry Elbakry