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DMI-ST. EUGENE UNIVERSITY

ZAMBIA

DEGREE EXAMINATION – DECEMBER 2023

Semester: II

800BO206 ZOOLOGY II

Time: 3:00 Hours

Max. Marks: 100

Answer any FIVE Questions (5 x 20 = 100 Marks)

1. a) Discuss Arthritis in detail. (8 Marks)
b) Briefly discuss the causes of extinction. (4 Marks)
c) Write a detailed note on the Evidences of Evolution. (8 Marks)
2. a) Explain the process of Blood clotting or Haemostasis. (5 Marks)
b) How does a Reflex action occur? (5 Marks)
c) Explain the Types of memory. (5 Marks)
d) Discuss the human errors of refraction. (5 Marks)
3. a) Write a short note on the History of Medical microbiology. (5 Marks)
b) Discuss briefly Antibody-mediated Immunity / Humoral Immunity. (5 Marks)
c) Write a detailed account on Bacterial Diseases. (10 Marks)
4. a) Compose a detailed account on Transgenic organisms : Genetically Modified Organisms (GMOs). (10 Marks)
b) Discuss the Application and Uses of Recombinant DNA Technology. (5 Marks)
c) Explain Gene therapy. (5 Marks)
5. a) Explain the types and effects of Greenhouse Gases. (10 Marks)
b) Compose a brief note on Global warming. (4 Marks)
c) Discuss the causes leading to Ozone layer depletion. (6 Marks)
6. a) Write a note on Alzheimer's disease. (5 Marks)
b) Briefly explain Bronchitis. (5 Marks)
c) Write a detailed note on Tuberculosis (TB). (5 Marks)
d) Write a note on Methods of CONTRACEPTION. (5 Marks)
7. a) What is involved in Acquired Immunity (Specific immunity)? (5 Marks)

b) Explain in detail Innate Immunity (Non-specific).

(10 Marks)

c) Write a note on Antigenic determinants and epitopes.

(5 Marks)