

Roll No. Total No. of Printed Pages : 3

Code No. : B04-205

Fourth Semester Online Examination, May-June, 2022

M. Sc. ZOOLOGY

Paper II

ANIMAL PHYSIOLOGY

Time : Three Hours] [Maximum Marks : 80

Note : ● Part A and B of each question in each unit consist of very short answer type questions which are to be answered in one or two sentences.

● Part C (Short answer type) and D (Long answer type) of each question should be answered within the word limit 200-250 and 400-450.

Unit-I

1. (A) What do you understand by blood group ? 2
- (B) What is the composition of Haemoglobin ? 2
- (C) Explain the functions of blood's constituents. 4

Or

Discuss Anemia.

- (D) Explain systemic circulation. 12

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Or

Describe vascular reflexes.

Unit-II

2. (A) Define Immunity. 2
- (B) Write two differences between Innate and acquired immunity. 2
- (C) Explain neural control of respiration. 4

Or

Explain MHC.

- (D) Explain the work and exercise physiology. 12

Or

Describe Immuno-prophylaxis.

Unit-III

3. (A) Write the function of Nephron. 2
- (B) What are the factors affecting G.F.R. ? 2
- (C) Write the Biological significance of Bio-luminescence. 4

Or

Explain the role of ADH in renal regulation of body fluids.

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(D) Describe the mechanism of Micturition. 12

Or

Describe the renal function in Birds.

Unit-IV

4. (A) What do you understand by action potential ? 2

(B) Name the neuro muscular junctions. 2

(C) Describe the structure and function of Neurons.
4

Or

Explain muscular fatigue.

(D) Describe the mechanism of muscle contraction.
12

Or

Write an essay on neural control of muscle tone and posture.

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