

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2019
(Fourth Semester)

Branch - **ZOOLOGY**

PHYSIOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 2 = 20)

- 1 What is egestion?
- 2 What is hyperammonemia?
- 3 Define Book Lung.
- 4 What is embolism?
- 5 Define Lacteal.
- 6 What is xanthine?
- 7 Define involuntary muscle.
- 8 What is auricular?
- 9 What is action potential?
- 10 What is Tropic hormones?

SECTION - B (25 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Give an account on the role of salivary gland in the digestion of buccal cavity.
OR
b Enlist the hormones involved in digestion and their significances.
- 12 a Write notes on the transport of oxygen.
OR
b Explain the cardiac cycle.
- 13 a Write brief notes on primary or central lymphoid organs.
OR
b Compare ureotelism with uricotelism with examples.
- 14 a Classify the types of muscles with suitable examples.
OR
b Explain the process of contraction of skeletal muscle.
- 15 a Give an account on structure of neuron and its significance.
OR
b Comment on 'Reflex action' with suitable example.

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Explain the p-oxidation and its energy yield and significance with suitable illustration.
- 17 Give detailed account on the types of WBC and their importance and add a note on heamoglobin.
- 18 Describe the processes of urine formation and acid base balance and acid base balance with suitable illustrations.
- 19 Illustrate the structure of human eye and elaborate the mechanism of image formation.