

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 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 Define villi.
- 2 What is (3 -oxidation?
- 3 What is chloride shift?
- 4 Define blood pressure.
- 5 What is excretion?
- 6 What is Nephron?
- 7 What is Binocular vision?
- 8 What is organ of corti?
- 9 Define Gigantism.
- 10 What is Reflex action?

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a Give an account of the hormonal control of digestion.
OR
b Explain about the oxidative deamination.
- 12 a Write notes on Haemoglobin.
OR
b Explain the structure of human heart.
- 13 a Classify animals based on their excretory products.
OR
b Draw and explain the structure of mammalian kidney.
- 14 a Give an account on the types of muscles.
OR
b Explain the structure of human eye.
- 15 a Explain the structure of neuron.
OR
b Explain the role of thyroid hormone.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Describe the physiology of digestion in different regions of the alimentary canal in human.
- 17 Describe the transport of O_2 , through blood.
- 18 Describe the composition and functions of Lymph.
- 19 Describe the ultrastructure of skeletal muscle fibre and add a note on the mechanism of muscle contraction.