

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2018
(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 Transamination?
- 2 What is absorption?
- 3 What is Haemoglobin?
- 4 What is Blood coagulation?
- 5 What are Lymph nodes?
- 6 What is Ornithine cycle?
- 7 What is cardiac Muscle?
- 8 Define actin and myosin.
- 9 What is Bipolar neuron?
- 10 Define Nerve impulse.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

11a Give an account on Intestinal digestion.

OR

b Explain about the digestion process in stomach.

12 a How is CO₂ transported in blood?

OR

b Give an account of Cardiac cycle.

13 a Explain the functions of lymphatic system.

OR

b Write brief notes on Ammonotelism, Ureotelism and Uricotelism.

14 a Explain the ultrastructure of skeletal muscle.

OR

b Give an account on the structure of human eye.

15 a Explain the structure of Neuron.

OR

b Write notes on Reflex action.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Describe the β - oxidation of fatty acid.
- 17 Describe about the blood and its composition.
- 18 Draw the structure of mammalian kidney and explain the process of urine formation in man.
- 19 Describe the structure of human ear and add a note on the mechanism of