

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 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 List the functions of digestive system.
- 2 What is transamination?
- 3 What is Electro cardio graph?
- 4 What is blood pressure?
- 5 Define ureotelism.
- 6 What are lymph nodes?
- 7 What are sarcomeres?
- 8 What is cochlea?
- 9 What is synapse?
- 10 Differentiate endocrine and exocrine glands.

SECTION - B (25 Marks!

Answer ALL Questions

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

- 11 a Comment on the digestive process, occur in the buccal cavity.
OR
b Write short notes on the absorption of digested food.
- 12 a List the major composition of blood and add notes on its function.
OR
b How are Oxygen and Carbon-di-oxide transported in the blood?
- 13 a Describe the structure of mammalian kidney.
OR
b Emphasize the role of secondary lymphatic organs.
- 14 a Describe the events of skeletal muscle contraction.
OR
b Describe the process of image formation in human eye.
- 15 a Define reflex action and write notes on the types of reflexes.
OR
b Emphasize the role of hormones in homeostasis.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Write a general account on the digestion in man.
- 17 Describe the types of respiratory organs.
- 18 Explain the process of urine formation in man.
- 19 Describe the anatomy of human ear.
- 20 Describe the role of hormones secreted by the pituitary gland.