

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**BSc DEGREE EXAMINATION MAY 2018
(Third Semester)**

Branch – **NUTRITION, FOOD SERVICE MANAGEMENT & DIETETICS**

HUMAN 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 out any two functions of Muscle.
- 2 List out the components of Immune System.
- 3 What is Cardiac Output?
- 4 Define Anoxia.
- 5 List out any two functions of Saliva.
- 6 Define Mastication.
- 7 Write the three types of Papillae.
- 8 Define Reflex action.
- 9 List out any two functions of Parathyroid hormones.
- 10 List out the divisions of Uterus.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a Describe the formation of RBCs.
OR
b Elaborate the functions of Tissue fluids.
- 12 a Draw the structure of Respiratory tract.
OR
b Explain about the ECG leads.
- 13 a Draw the structure of Kidney and explain it.
OR
b Explain about the peristaltic movement of intestine.
- 14 a Draw the structure of Cerebellum and explain it.
OR
b Brief note on physiology of hearing.
- 15 a Summarize the functions of adrenal hormones.
OR
b Explain the functions of pituitary hormone.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Discuss about the Coagulation of Blood.
- 17 Explain Cardiac cycle with suitable diagram.
- 18 Draw and explain the structure of Nephron.
- 19 Explain about the structure of Neuron.
- 20 Elaborate the process of menstrual cycle.