

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2018
(Third Semester)

Branch - NUTRITION, FOOD SERVICE MANAGEMENT & DIETETICS

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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 . Write a short note on bone tissue.
- 2 List the various blood groups & define erythroblastosis foetalis.
- 3 Define Cardiac output.
- 4 What is anoxia?
- 5 Write the functions of salvia.
- 6 Define Reflex arc.
- 7 Write a note on Malphigian bodies.
- 8 What is Iris?
- 9 List the hormones secreted by pituitary gland.
- 10 Give an account on seminal vesicle.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Explain the functions of connective tissue.
OR
b Narrate the importance and components of immune system.
- 12 a Outline the events occur on cardiac cycle
OR
b Explain the gaseous exchange in lungs and tissues.
- 13 a Explain the movement of alimentary tract.
OR
b Describe the mechanism of urine formation.
- 14 a Outline the structure of Neuron with functions.
OR
b Explain the various phases of menstrual cycle.
- 15 a Discuss the functions of thyroid hormones.
OR
b Explain the various phases of menstrual cycle.

SECTION- C (30 Marks)

Answer any THREE Questions

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

- 16 Elucidate the composition and functions of blood. Explain Erythrogenesis.
- 17 Explain the structure and conduction of heart beat.
- 18 Discuss the anatomy of alimentary canal and functions of gastric juice.
- 19 Describe the following:
a) Structure and functions of cerebrum b) Rhodospin cycle
- 20 Elaborate a)the anatomv of female renroductive svstem