

PSG COLLEGE OF ARTS & SCIENCE .
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2017
(Fifth Semester)

Branch - BIOCHEMISTRY

CORE ELECTIVE-I PHYSIOLOGY & ENDOCRINOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10x2=20)

- 1 What is thrombocytopenia?
- 2 What is edema?-
- 3 Define acid - base balance.
- 4 What is micturition?
- 5 What is visual cycle?
- 6 Write any 2 example for inhibitory trasmittee.
- 7 Give the structure of cAMP.
- 8 Write the other name of vasopressin.
- 9 Define goitre.
- 10 Write any 2 functions of ovaries.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Explain the functions of various gastrointestinal hormones.
OR
b Discuss the composition of blood. Add a note on functions of RBC's.
- 12 a With suitable diagrams explain synaptic transmission.
OR
b Elaborate visual cycle.
- 13 a Explain the chemical changes that occur during muscle centration.
OR
* b Discuss in detail about electro cardiogram.
- 14 a Give a short notes on disorders of adrenal cortex.
OR
b Discuss in detail about parathyroid hormones.
- 15 a Discuss about the pineal gland.
OR
b Explain the structure of testis.

SECTION - C (30 Marks)

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3x10 = 30)

- 16 Write an essay on coagulation of blood.
- 17 What is nepheon? Explain its structure with neat labeled diagram.
- 18 ' Enumerate on various neuro transmitters and give their functions.
- 19 Explain the classification and chemical nature of hormones.
- 20 Explain ovarian cycle.