

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2017
(Third Semester).**

Branch -PSYCHOLOGY

PHYSIOLOGICAL PSYCHOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 2 = 20)

- 1 Define physiological psychology.
- 2 What is Monism?
- 3 What is hypothalamic hormone?
- 4 Explain Homeostasis.
- 5 Mention the parts of a neuron.
- 6 What is transmitter substance?
- 7 What are division in the nervous system?
- 8 Differentiate between afferent nerves and efferent nerves.
- 9 Explain aphasia.
- 10 Explain hind brain.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a What are the various lobes of the human brain? Explain with a diagram.
OR
b Explain the ways of recording the brain activity.
- 12 a What are the mechanisms involved in homeostasis?
OR
b Write a note on enzymes.
- 13 a Explain synaptic transmission?
OR
b Discuss action potential.
- 14 a When and how does ANS function?
OR
b Discuss the function of SNS.
- 15 a Explain the genetic and biochemical basis of dementia.
OR
b Explain Parkinson's disease.

SECTION-COO Marks)

Answer any **THREE** Questions

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

- 16 Explain the behavioural effects of electrical brain stimulation.
- 17 Explain the phases of metabolism.
- 18 Draw the structure and types of the nerve cells and explain its parts.
- 19 Draw a diagram of brain the explain the different lobes and its associated behavioural functions.
- 20 Discuss about dyslexia.