

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BSc DEGREE EXAMINATION DECEMBER 2018  
(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 Name two neuro imaging techniques.
- 2 What is heredity?
- 3 Define homeostatis.
- 4 What are enzymes?
- 5 What is synapse?
- 6 What are neurotransmitters?
- 7 Name the types of autonomic nervous system.
- 8 Name the four lobes.
- 9 Mention the functions of cerebellum.
- 10 What is amnesia?

**SECTION - B (25 Marks!)**

Answer **ALL** Questions

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

- 11 a How does biology affect behaviour? Explain.  
OR  
b Describe the effects of brain damage.
- 12 a Explain the effects of hormones.  
OR  
b What is the mechanism behind water regulation? Explain.
- 13 a Describe the structure of a neuron with a diagram.  
OR  
b Draw & label the structure of a cell.
- 14 a Explain the brain mechanism of movement.  
OR  
b Explicate how brain damage affects language.
- 15 a Describe the peripheral nervous system.  
OR  
b Give an account on the brain areas associated with emotions.

**SECTION - C (30 Marks)**

Answer any **THREE** Questions

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

- 16 Describe the methods for studying brain functions.
- 17 Discuss the influence of digestive system in food selection.
- 18 Narrate how nerve impulse is transmitted from one neuron to another.
- 19 Explain the structure & functions of central nervous system.
- 20 Discuss on movement disorders.