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**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)  
**BSc DEGREE EXAMINATION DECEMBER 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 x2 = 20)

- 1 What is physiological psychology?
- 2 Mention the two types of turns.
- 3 Define homeostasis.
- 4 Define enzyme.
- 5 What are glia cells?
- 6 Define synapse.
- 7 Define nervous system.
- 8 Explain ANS and its divisions.
- 9 Mention the categories of muscles?
- 10 What is Korsakoff's syndrome?

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

Answer **ALL** Questions

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

- 11 a Briefly discuss the biological explanation of behaviour.  
OR  
b Explain the effects of brain stimulation.
- 12 a Briefly explain the important hormones and their effects.  
OR  
b Describe the brain mechanism of hunger.
- 13 a Describe the structure of the neuron.  
OR  
b Briefly describe the types of neurotransmitters,
- 14 a Describe the ventricles and the CSF.  
OR  
b Describe the structures of the hind brain and their functions.
- 15 a Explain the basal ganglia and its role in movement.  
OR  
b Describe the role of hippocampus in amnesia.

**SECTION - C (30 Marks!)**

Answer any **THREE** Questions

**ALL** Questions Carry **EQUAL** Marks (3 x10 = 30)

- 16 Describe the various methods of studying the brain function.
- 17 Discuss the brain mechanism that control body temperature.
- 18 How the nerve impulse is conducted? Discuss.
- 19 Briefly describe the four lobes of the cerebral cortex.
- 20 Describe the language disorders due to brain damage.

Z-Z-Z

END