

DEPARTMENT OF PHYSIOLOGY
FACULTY OF BASIC MEDICAL SCIENCES
OLABISI ONABANJO UNIVERSITY
SAGAMU CAMPUS

HAMATTAN SEMESTER EXAMINATION
BSC PHYSIOLOGY
2018/2019 SESSION
PAPER II

COURSE CODE: PHS 401
Course Title: Neuro Endocrinology
Matric Number: _____

DATE: 23/04/2019

TIME ALLOWED: 1½ HRS

Instruction : Write your matriculation number clearly on each booklet.

- Answer 3 out of 4 questions
Each question carry 20 marks
Use separate booklet for each question

- (a) What is a Circadian rhythm?
 - (b) Explain the role of the pineal gland in circadian rhythm.
 - (c) List five biological markers of circadian rhythm in mammals
 - (d) Describe how the levels of the followings changes in 24hrs.
 - (i) Cortisol
 - (ii) Growth hormone
 - (iii) Temperature
- (a) What are neurotransmitters
 - (b) Give two example each of the following groups of neurotransmitter
 - (i) Amino acid
 - (ii) Biogenic amino
 - (iii) Excitatory
 - (iv) Inhibitory
 - (c) List five conditions associated with abnormal neurotransmitter level
 - (d) What is the importance of neurotransmitter study.
- Write an essay on Posterior Pituitary hormones
- (a) List five Hypothalamus nuclei and their functions
 - (b) What are the effects of pituitary adenoma producing prolactin.