

THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PSYCHOLOGY & COUNSELLING
2022/2023 – SEMESTER I—FINAL EXAMINATION



BSC (HONS) IN PSYCHOLOGY
PLU 4304: BRAIN AND BEHAVIOUR - LEVEL 04
FINAL EXAMINATION PAPER
DURATION: 03 HOURS

DATE: 23.03.2023

TIME: 1.30 p.m.- 4.30 p.m.

SECTION 2: STRUCTURED ESSAY QUESTIONS (60 MARKS)

Choose 04 out of the 06 questions given below and answer using the provided answer sheets.

2.1

- Describe “circadian rhythm” and its functions. (5 marks)
- Explain “insomnia” and its symptoms. (5 marks)
- Explain two language disorders that occurs due to brain damage. (5 marks)

2.2

- Describe what Parasomnias is. (7 marks)
- Explain three categories of vigilance in sleep. (8 marks)

2.3

- What are the main four criterions of palatability of foods and beverages, which are not properties of the food or beverage? (5 marks)
- Explain three eating disorders. (5 marks)
- Describe a theory that explains eating behaviour. (5 marks)

2.4

- Describe two types of chemicals responsible for signalling. (5 marks)
- Explain two Acetylcholine receptor and Agonist and Antagonist for each receptor? (10 marks)

Receptor	Agonist	Antagonist
1.		
2.		

2.5

- a) Explain three types of risk factors due to obesity. (3 marks)
- b) Describe four types of addictive behaviours considering current situation. (8 marks)
- c) Describe what incentive sensitization theory is. (4 marks)

2.6

- a) There are main three divisions of the brain: forebrain, midbrain, and hindbrain. Describe functions of two areas in each division. (6 marks)
- b) What is Yerkes-Dodson law? (4 marks)
- c) What is the function of the amygdala? (5 marks)

-----END OF QUESTION PAPER-----