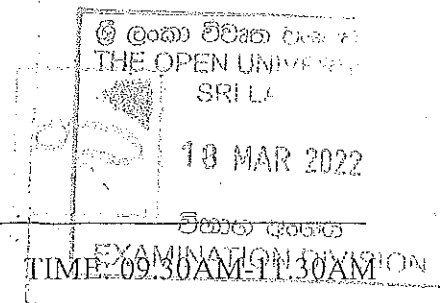


BSC HONOURS IN PSYCHOLOGY
PLU4304: BRAIN AND BEHAVIOUR- LEVEL-4
FINAL EXAMINATION PAPER
DURATION: 2 HOURS



DATE: 18th March 2022

SECTION 2: STRUCTURED ESSAY QUESTIONS (60 MARKS)

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

- 1 **History of human behaviour indicates early research methodologies investigating brain and behaviour connections as it has always intrigued scientists.**
 - a Describe early methods versus modern methods used to study human behaviour using examples (5 marks).
 - b Critically evaluate the influence of environment and genetics on personality (10 marks).
- 2 **Neurotransmitters are chemicals in the brain that plays a significant role in shaping human behaviour.**
 - a Briefly describe the criteria that helps to identify neurotransmitters from other brain chemicals (6 marks).
 - b Discuss the main psychological issues in behavioural addiction versus substance addiction (9 marks)
- 3 **Prominent psychologist William James mentioned that 'we feel sorry because we cry, angry because we strike, afraid because we tremble' with reference to our emotions.**
 - a Name and explain the mechanisms of brain structure/s responsible for emotional regulation in humans (7 marks)
 - b Identify and evaluate the most suitable theoretical explanation for the above-mentioned statement made by William James (8 marks)
- 4 **The ability to adapt according to events or situations allow humans to function efficiently but sometimes adaptation issues can cause physical and mental health problems.**
 - a Identify and explain a situation which demonstrates the adaptation capacity of the human sensory system according to the stimuli (5 marks).
 - c Explain the 'Transactional theory of stress' and use an example to discuss the impact of chronic stress in a post-war/conflict setting (10 marks).

5 The interaction between mind and body can be identified through mental health issues and physical health issues of an individual.

- a Describe a mood disorder OR a sleeping disorder in relation to the symptoms and the related brain mechanism (5 marks).
- b Explain the interaction between suffering from a stroke and related experiences of speech and language problems (5 marks).
- c Provide a brief description about the impact of a chosen recreational drug on human behaviour (5 marks).

6 Write brief descriptions for the following topics with examples

- a Influence of hormones on human sexual behaviour (5 marks)
- b Psychological properties of eating behaviour (5 marks)
- c Psychological impact of a genetic disorder (5 marks)

-----End of question paper-----