

UNIVERSITY OF BOLTON
SCHOOL OF EDUCATION AND PSYCHOLOGY
PSYCHOLOGY PATHWAYS
SEMESTER 1 EXAMINATION 2021/2022
BIOPSYCHOLOGY
MODULE NO: PSC5005

Date: Wednesday 12th January 2022

Time: 10.00am – 1.00pm

INSTRUCTIONS TO CANDIDATES:

Candidates are advised that the examiners attach importance to legibility of writing and clarity of expression. **YOU ARE STRONGLY ADVISED TO PLAN YOUR ANSWERS.**

Answer **THREE** questions.
ONE from each section.

All questions carry equal marks.

Start each answer in a fresh answer book.

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Section 1

Answer ONE question from the following four questions

1. With reference to two or more neurodegenerative diseases, evaluate the importance of differentiation in terms of understanding the pathological and psychological outcomes.
2. Evaluate the ability of the neural mechanism proposed by the Gate Control Theory to explain the psychological dimension of pain.
3. Empathy is thought to be processed in two distinct networks. Evaluate the extent to which they are thought to be dissociated from one another.
4. Using one or more examples, outline the effects of the endocrine system on human behaviour.

Section 2: Answer this question

1. In case studies of alcohol use disorder, a common occurrence is for the person in recovery to describe their journey from the early stages of 'drinking for pleasure' and the rewarding properties of the drug, to the later stages of 'drinking without choice' due to a high negative affect and compulsive behaviour.

In terms of your understanding of addiction from a biopsychological perspective, discuss this occurrence in terms of the neural regions implicated in the addiction cycle, the allostatic load it creates and the positive and negative reinforcing aspects of the cycle and subsequent effects on behaviour.

Section 3: Answer this question (seen question)

1. Our current understanding of how face processing occurs in the brain has been derived from multiple studies using a variety of methods and techniques. With specific reference to trustworthiness judgements, evaluate how current research is adding to this framework.

END OF QUESTIONS