

**UNIVERSITY OF BOLTON**

**SCHOOL OF EDUCATION AND PSYCHOLOGY**

**PSYCHOLOGY PATHWAYS**

**SEMESTER ONE EXAMINATION 2022/2023**

**BIOPSYCHOLOGY**

**MODULE NO: PSC5005**

Date: Wednesday 11<sup>th</sup> January 2023    Time: 10.00am – 1.00pm

---

**INSTRUCTIONS TO CANDIDATES:**

Candidates are advised that the examiners attach importance to legibility of writing and clarity of expression.

The answers should be evidence based and clearly evaluate the information. Citations and a reference section for each answer are expected.

**YOU ARE STRONGLY ADVISED TO PLAN YOUR ANSWERS.**

There are THREE sections on this paper.

Answer THREE questions. ONE question from each section

All questions carry equal marks.

---

University of Bolton  
School of Education & Psychology  
Psychology Pathways  
Semester One Examination 2022/2023  
Biopsychology  
Module No: PSC5005

## QUESTIONS

### **Section 1: Answer ONE question from the following three questions**

1. With reference to two or more neurodegenerative diseases, evaluate to what extent they can be separated at the neural and psychological level.
2. Evaluate the notion that the psychological dimension of pain can be explained by the Gate Control Theory.
3. Discuss the role played by the nervous system in the interaction between hormones and behaviour.

### **Section 2: Answer this question**

1. Patient SK who was recently diagnosed with alcohol use disorder, has recently completed a one-month inpatient recovery program for addiction, at a local residential psychiatric unit. At the initial consultation, patient SK revealed that she considered that her problem with alcohol had existed for at least eight to nine years. The patient identified that her drinking had changed from an initial pleasurable and controlled experience, into a compulsive need to alleviate a considerable and worsening emotional distress, which led to a steady decline in both psychological and physical health. At admission SK was considered suicidal with very limited cognitive capacity and extreme anxiety.

In terms of the addiction cycle and the allostatic process evaluate from a biopsychological perspective, how the SKs addiction would have developed over time.

### **Section 3: Answer this question**

1. The judgement of trustworthiness derived from face processing is an important part of social cognition. With reference to particular methods, techniques and neural areas, consider how trustworthy judgements to human faces are processed.

**END OF QUESTIONS**