

UNIVERSITY OF BOLTON
SCHOOL OF PSYCHOLOGY
PSYCHOLOGY PATHWAYS
SEMESTER 1 EXAMINATION 2024/2025
BIOPSYCHOLOGY
MODULE NO: PSC5005

Date: Wednesday, 8th January 2025

Time: 14:00pm – 17:00pm

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.

SECTION A

Answer **ONE** question from section A.

SECTION B

Answer **both** a. and b. from this section.

SECTION C

Answer this question.

All questions carry equal marks.

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QUESTIONS

Section A: Answer ONE question from the following three questions

1. Hormones

Using specific examples, illustrate the role played by the nervous system in terms of the interaction between hormones and behaviour.

2. Pain

Describe the biological mechanism suggested by the Gate Control Theory to explain the psychological dimension of pain.

3. Neurodevelopment

Using specific examples, illustrate the importance of environmental factors on the postnatal development of neural structures.

Section B: Answer this question

In terms of the brain disease model of addiction:

- a. Consider and provide a full description of the three-stage cycle of addiction from a biopsychological perspective
- b. Evaluate to what extent the inclusion of the allostatic process has contributed to the model.

Section C: Answer this question

Our understanding of how humans make judgements of trustworthiness from faces, has been derived from empirical studies using multiple techniques. With reference to at least three studies, evaluate how our understanding of the role the amygdala plays in these judgements has been developed over time.

END OF QUESTIONS