UNIVERSITY OF BOLTON

SCHOOL OF PSYCHOLOGY

PSYCHOLOGY PATHWAYS

SEMESTER 1 EXAMINATIONS 2023/2024

COGNITIVE PSYCHOLOGY

MODULE NO: PSC5004

Date: Tuesday January 9th 2024   **Time: 10:00am-1:00pm**

INSTRUCTIONS TO CANDIDATES:

There are 20 questions on this paper.
Answer 6 questions total.

SECTION A
Answer **TWO** questions from section A1 and **TWO** questions from section A2 (four questions in total). This section accounts for 20% of the total marks.

SECTION B
Answer **ONE** question. This section accounts for 40% of the total marks.

SECTION C
Answer **ONE** question. This section accounts for 40% of the total marks.

All questions within each section carry equal marks.

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Section A – Short Answer Questions
Answer TWO questions from section A1 and TWO questions from section A2

Section A1

1. Regarding visual perception, introduce and describe bottom-up and top-down perceptual processing.

2. Introduce and describe the 'easy' and 'hard' problems of consciousness.

3. Using examples, outline how Bayesian inference applies to judgement.

4. Describe the McGurk effect and briefly explain what implications it has for speech perception.

5. Briefly explain the suggested role of the episodic buffer.

6. Define and compare the main characteristics of the logogens and imagens in Pavio's Dual-Code Theory.

Section A2

7. Introduce and explain the problem of task impurity within executive function research.

8. Outline and succinctly describe the most common speech errors.

9. Define and briefly describe what is meant by a 'flow' state of attention.

10. Briefly explain the components of the Working Memory model.

11. Providing examples, outline different types of non-declarative memory.

12. Briefly describe the main differences between well-defined and ill-defined problems.

Please Turn the Page

University of Bolton
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Semester 1 Examinations 2023/2024
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Module No. PSC5004

Section B – Essay Questions
Answer ONE question from this section

13. Using relevant theories, compare and contrast two theories of visual object recognition.

14. Using relevant research, introduce and describe Kosslyn's Analogue Theory and Pylyshyn's Propositional Theory. Next, outline the evidence in favour of each of these opposing theories.

15. Using relevant literature, introduce, describe, and evaluate the three models of sentence parsing, discussing their predictions and limitations.

16. Using experimental research, introduce and describe the heuristics of decision-making. Next, critique these heuristics by showing their limitations.

Section C – Essay Questions
Answer ONE question from this section

17. Using relevant empirical evidence outline and critique the evolution of the lower-order model of executive function from the year 2000 to present day.

18. With accompanying research, describe and evaluate the main components of Attentional Control Theory.

19. Based on the evidence from the study of Amnesia, evaluate the notion of distinct Long-Term Memory systems.

20. Evaluate the efficacy of different problem-solving strategies in the context of distinct types of problem.

Reminder: You should have 6 complete questions (2 from Section A1, 2 from Section A2, 1 from Section B, and 1 from Section C).

END OF QUESTIONS