

**UNIVERSITY OF BOLTON**  
**SCHOOL OF PSYCHOLOGY**  
**PSYCHOLOGY PATHWAYS**  
**SEMESTER 1 EXAMINATION 2024/2025**  
**COGNITIVE PSYCHOLOGY**  
**MODULE NO: PSC5004**

Date: Monday, 13<sup>th</sup> January 2025

Time: 10:00am - 13:00pm

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**INSTRUCTIONS TO CANDIDATES:**

There are 20 questions on this paper.  
You should answer 6 questions in 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. Introduce and describe the easy and hard problems of consciousness.
2. Considering the role of risk aversion and loss aversion, briefly describe the key features of the Prospect Theory in decision making (Kahneman and Tversky, 1974).
3. Outline and compare the two theories of error detection in speech.
4. Briefly explain the suggested role of the Episodic Buffer.
5. Contrast well-defined and ill-defined problems.
6. Summarise the seven Gestalt laws of perceptual organisation.

**Section A2**

7. Introduce and explain the problem of task impurity within executive function research.
8. Define and compare the concept of logogens and imagens in Paivio's Dual-Code Theory.
9. Briefly describe, giving examples, what altered states of consciousness teach us about normal functions of consciousness.
10. Describe the McGurk effect (McGurk & MacDonald, 1973) and briefly explain what implications it has for speech perception.

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11. Summarise the Dual-task paradigm in terms of its support to the Working Memory model.
12. Briefly explain the differences between holistic and featural processing.

**Section B – Essay Questions**  
**Answer ONE question from this section**

13. Considering the three theories studied regarding Judgment and Decision making, describe and evaluate each one discussing their strengths and limitations while using relevant research.
14. How does the evidence from the study of Amnesia support the suggestion that Long-term Memory is better described as consisting of a number of distinct systems?
15. Using relevant research, introduce and describe Kosslyn's Analogue Theory and Pylyshyn's Propositional Theory. Next, outline the empirical evidence in favour of each of these opposing theories as well as the limitations.
16. Supporting your answer with empirical evidence, discuss the differences in our ability to recognise familiar and unfamiliar faces.

**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. Considering relevant literature, introduce, describe, and evaluate the three models of sentence parsing, discussing their predictions and limitations in particular with regards to resolving sentence ambiguity.

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19. Contrast the efficacy of different problem-solving strategies in the context of distinct types of problem while including relevant research.
20. Supporting your answer with empirical evidence, evaluate the claim that Short-term Memory is better described as consisting of a number of semi-independent components.

**END OF QUESTIONS**