

PAPER CODE NO.  
COMP217

EXAMINER : Professor T Bench-Capon  
DEPARTMENT : Computer Science Tel. No. 54282



THE UNIVERSITY  
*of* LIVERPOOL

## JANUARY 2007 EXAMINATIONS

Bachelor of Science: Year 2  
Bachelor of Science: Year 3

### MINDS AND MACHINES

**TIME ALLOWED: Two Hours**

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#### INSTRUCTIONS TO CANDIDATES

Answer **ONE** question from **EACH** of Sections A, B and C.  
Equal credit will be given for each answer.

If you attempt to answer more than the required number of questions (in any section), the marks awarded for the excess questions will be discarded (starting with your lowest mark).



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**Section A**

- A1. Discuss the attraction of, and objections to, dualism. Is any variety of dualism tenable in the light of these objections?
- A2. Discuss the attraction of, and objections to, materialist theories of mind. Is any variety of materialism tenable in the light of these objections?

**Section B**

- B1. What is the relation between seeing and believing? What are the implications for Artificial Intelligence?
- B2. What is meant by a voluntary action? Can machines act voluntarily?

**Section C**

- C1. If a machine were to consistently pass the Turing Test, would that prove that it was intelligent?
- C2. What is Searle's Chinese Room argument? Does it successfully establish the impossibility of an intelligent machine?