

# MA410 Artificial Intelligence - Assignment/Quiz 1

Class quiz on 27th September 2010

Quiz objective: Obtain sufficient background information about the subject.

Read up on:

- The Turing Test. Alan Turing devised a test called the 'Turing Test' that would measure how intelligent a computer system is.
- The history of the subject, e.g.
  - How did it develop?
  - What year was it founded as an academic discipline?
  - Who were/are the main names in the subject? e.g. Turing, Shannon, Chomsky, Searle, John McCarthy, Pitts, McCulloch.
  - Latest Research in AI. Be able to name a few and describe one in detail. (e.g. see IBM's website)

Be able to say briefly what the following are and how they are linked in with AI (A basic idea only required):

- Definition of Artificial Intelligence
- Differences between Natural and Artificial Intelligence (e.g. Brain vs Computer)
- Neural Networks
- Expert Systems
- Robotics
- Heuristics
- Semantic Web
- Genetic Algorithms
- Control Theory
- Database
- Object Oriented Programming
- Knowledge Representation
- Natural Language Processing
- Cloud Computing

The quiz will also have a short question based on understanding of concepts.