Important: you must give personal and concise answer for each question.

Question 1
What is intelligence? How do we measure it? Are these measurements useful?
http://www.iqtest.com/

Question 2
Give 4 categories of definitions of Artificial Intelligence, with an explanation of each which lists the most important motivation and disadvantage of each.

Question 3
An “intelligent anesthetist” agent is being designed to assist during complex surgical operations. The system will be informed of a patient’s case history from case notes in advance of an operation, and will have access to sensor readings during the operation. Minor changes in drug and oxygen administration can be made by the agent. It can present the medical staff with information about the patient’s state and warn of impending problems. It can explain the reasoning behind its actions in natural language, if staff do not understand why it is behaving the way it is.

i. Describe your interpretation of the agent’s percepts, actions and goals.
ii. Describe the properties of the agent’s environment.
iii. What would the advantages and disadvantages of introducing adaptive behavior to the agent be?

Question 4
How good are machines at playing chess? If a machine can consistently beat all the best human chess players, does this prove that the machine is intelligent?

Question 5
When a computer adds up numbers, is it thinking? When you add up numbers, are you thinking? Is there any fundamental difference? Are these useful questions?
http://www.ime.usp.br/~vwsetzer/antidote.html