

2. (a) What is an abstract data type (ADT)? [3 marks]
- (b) What is the relationship between an ADT and a data type? [2 marks]
- (c) Define an ADT to represent a list. [4 marks]
- (d) State one problem which would occur if a list were to be implemented using an array, and explain how this problem might be solved. [4 marks]