Describe the main features of the Data Language DAPLEX, paying particular attention to the following points:

(a) schema definition and maintenance

(b) primitive and derived data

(c) entity specialisation

(d) consistency constraints

[9 marks]

Explain how aggregates are handled in DAPLEX, paying particular attention to the following:

(e) composition of many-valued functions

(f) calculation of averages

(g) inverse functions

(h) multiple inheritance

[7 marks]

The DAPLEX paper received a great deal of attention when it appeared in 1981. Why do you think that was, and why is the work largely forgotten today? 

[4 marks]