

1993 Paper 8 Question 4

Developments in Technology

EDSAC (1949) was the first practical stored-program computer in operation. Although it had no subroutine jump instruction, a method for using subroutines was devised by David Wheeler. Quote and explain the instruction sequences for subroutine entry and return. [12 marks]

Describe the corresponding instruction sequences that you would use in a modern processor. [8 marks]