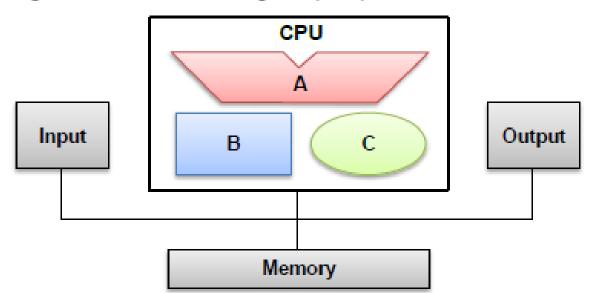
Sample 2017 - CPU components

Below is a partially labelled diagram of a Von Neumann type architecture computer, with a single core Central Processing Unit (CPU).



(a)	State the purpose of the components A, B and C above.	[3]
	Component A:	
	Component B:	
	Component C:	

2016 - CPU components

Name four components of the Central Processing Unit (CPU) and describe the function of each named component. [8]
Component 1
Function
Component 2
Function
Component 3
Function
Component 4
Function

.....



2018 – CPU components

(C)	Explain how main memory is used during the fetch-decode-execute cycle. [3	y] -
		• ••
		· ••
		·
		• ••
		·
		• ••



Sample / 2017 - CPU Performance



(b) Cache size, clock speed and number of cores are the three main factors that affect performance. Describe how performance is affected by these three factors.
[6]

(c)	Describe what is meant by a <i>dual-core</i> CPU. State a possible benefit of its use. [2]
(d)	Describe what is meant by the term 5GHz. [2]

