Question Number	Acceptable Answer	Additional guidance	Mark
4(a)(i)	C		**(1)**

Question Number	Acceptable Answer	Additional guidance	Mark
4(a)(ii)	C		**(1)**

Question Number	Acceptable Answer	Additional guidance	Mark
4(a)(iii)	one cycle = 0.72 s (1) 60 ÷ 0.72 = 83.3 (1)	Allow ± 0.02 s for the duration of the cycle Allow full marks for the correct answer, no working	**(2)**

Question Number	Acceptable Answer	Additional guidance	Mark
4(b)(i)	0.19 s / 0.91 s (1)	Allow ± 0.01 s	**(1)**

Question Number	Acceptable Answer	Additional guidance	Mark
4(b)(ii)	An explanation that makes reference to the following: • ventricle needs to contract and force blood into the {aorta / pulmonary artery / arteries} (1) • so valves need to close to prevent backflow into the atria on contraction (1)		**(2)**

(Total for Question 4 = 7 marks)