Question number	Answer	Notes	Marks
6 (a) (i)	all four stars in the correct positions = 3 marks any two stars in the correct positions = 2 marks any 1 star in the correct position = 1 mark		3
	Coolest	Hottest	
	Antares A 61 Cygni A Vega	Sirius B	
(ii)	Antares (A);		1
(b)	any three from: MP1. nebula is (cold) cloud of dust/gas; MP2. gravity causes cloud to collapse/eq; MP3. temperature of cloud increases/eq; MP4. creating a protostar; MP5. idea that (main sequence star created when) fusion starts;		3
(c)	any four from: MP1. idea that hydrogen fusion stops (in core); MP2. core collapses; MP3. core temperature of star increases; MP4. (star expands to) become a red (super) giant; MP5. surface temperature of star decreases (during red giant phase) MP6. helium fusion begins; MP7. white dwarf formed when helium fusion stops (in core); MP8. idea of rest of star released (as a planetary nebula);	condone idea of hydrogen runs out allow star collapses	4

Total for Question 6 = 11 marks