学生编码						

A. 星系团

Question	Answer	Marks
A.1 (**1.0 pt.**)	$U =$	
A.2 (**0.5 pt.**)	$V_{rc} =$	
A.3 (**1.5 pt.**)	$K_{ave} =$ $v_{rms} =$	
A.4 (**1.7 pt.**)	$\gamma =$	
A.5 (**0.5 pt.**)	$M_{dm} =$	

B. 星系中的暗物质

Question	Answer	Marks
B.1 (**0.8 pt.**)	For $r < R_g$: $v(r) =$ For $r \geq R_g$: $v(r) =$ Sketch (画出) $v(r)$ for $r < R_g$ and $r \geq R_g$:	

B.2 (**0.5 pt.**)	$m_R = m'(R_g) =$	
B.3 (**1.5 pt.**)	For $r < R_g$: $\rho(r) =$ For $r \geq R_g$: $\rho(r) =$	

C. 星际气体和暗物质

Question	Answer	Marks
C.1 (**0.5 pt.**)	$\dfrac{dP}{dr} =$	
C.2 (**0.5 pt.**)	$m'(r) =$	
C.3 (**1.0 pt.**)	$\rho_{dm}(r) =$	

---------------------------- **DO NOT WRITE BELOW** ----------------------------

SECTION	SCORE
A	
B	
C	
TOTAL	