Question		on	Answer	Marks	Guidance
17	(a)	(i)	10 ⁸ OR 1×10 ⁸ OR 100 000 000	2	If answer is incorrect ALLOW one mark For evidence of correct working i.e.10 ⁹ ÷ 10 ¹
	(a)	(ii)	liver has , large / good / AW , blood supply ✓ released / secreted / AW , into bile ✓	2	IGNORE reference to C-reactive protein and copeptin throughout ALLOW liver has sinusoids
17	(b)	(i)	3157 μm^3 / 3.157 x10 ³ μm^3 OR 3155 μm^3 / 3.155 x10 ³ μm^3 (3.14 used for value of π) OR 3158 μm^3 / 3.158 x10 ³ μm^3 (22/7 used for value of π) OR 3.157 / 3.155 / 3.158 , ×10 ⁻¹⁵ m^3 (answer using SI units) $\checkmark \checkmark \checkmark$	3	ALLOW for two marks correctly calculated value not given to 4SF e.g. 3156.55 μm³

Question		on	Answer	Marks	Guidance
17	(b)	(ii)	(transmission) electron (microscope) ✓ AND ONE of the following:	2 max	ALLOW TEM DO NOT ALLOW scanning electron microscope / SEM
			2D image ✓		IGNORE black and white / colour
			internal details visible ✓		
			(named) organelles / ultrastructures , visible ✓		e.g. mitochondria IGNORE nucleus (as visible under a light microscope)
			high magnification ✓		microscope)
			high <u>resolution</u> ✓		
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