

MS LENSES AND RAY DIAGRAM 3

Question 1			
QUESTION	ANSWER	EXTRA INFORMATION	MARKS
(c)(i)	converging	or convex	1
(c)(ii)	either (0).35 or (0).4(1)	do not give any credit for an answer greater than 1 or 7 20 for 1 mark or clear evidence that appropriate measuring / counting, has been made for 1 mark	2
(d)	otherwise it will have no effect on the light detector or otherwise no (real) light will fall on the light detector	or a virtual / imaginary image will have no effect on the light detector allow error carried forwards for light detector allow so it can be formed on the film	1
total			4
Question 2			
(i)	any one correct description: • upright • virtual • diminished	treat multiple words as a list	1

(ii)	0.25	allow 1 mark for correct substitution, ie $1/4$ or $5/20$ provided no subsequent step shown ignore any unit	2
(iii)	Correcting short sight		1
total			5