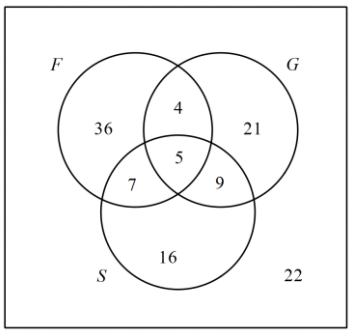
Question Number	Scheme	Marks
3 (a)(i)	$\frac{7}{120}$	B1
(ii)	$\frac{22}{120}$	B1
		(2)
(b)		B1 M1 A1 B1ft
		(4)
(c)(i)	$\left[\mathrm{P}\left(F' \cap G'\right) = \frac{'16'+22}{120}\right] = \frac{19}{60}$	B1ft
(ii)	$\left[\mathrm{P}\left(F \cap G \middle\| S\right) =\right] \frac{5}{7+5+9+'16'}$	M1
	$= \frac{5}{37}$	A1
		(3)

	Notes	Total 9
(a)(i)	**B1**	Oe Allow 0.058 or better
(ii)	**B1**	Oe Allow 0.183 or better
(b)	**B1**	For 36 and 4 in the correct place on the Venn diagram
	M1	For $2\times41-7-5-9-'36'-'4'$ or $\frac{41}{60}=\frac{'52'}{120}+\frac{'18'+x}{120}-\frac{'9'}{120}$ (May be implied by 21) If $'36'+'4'+'21'=61$ this will imply this mark
	A1	For 21 in the correct place on the Venn diagram
	B1ft	For 16 in the correct place on the Venn diagram or ft their Venn diagram (total = 120)
(c)(i)	**B1ft**	For $\frac{19}{60}$ oe or ft their 16 Allow 0.317 or better
(ii)	**M1**	For a correct method to find the conditional probability ft their 16
	A1	Oe Allow 0.135 or better