Question Number	Scheme	Marks
1(a)(i)	e.g. A database of **all** the customers	B1
(ii)	e.g. The customer(s)	B1
		(2)
(b)	e.g. It is cheaper	B1
		(1)
(c)	B(50, 0.35)	M1A1
		(2)
(d)	$[\mathrm{P}(X > 20) =] 1 - \mathrm{P}(X \leqslant 20)$ $(= 1 - 0.8139)$	M1
	$= 0.1861$ **awrt 0.186**	A1
		(2)

	Notes		Total 7
(a)(i)	**B1**	for a suitable sampling frame e.g. a list / spreadsheet / register and indicating it contains **all** the customers who have the internet service. All can be implied but not a partial list.	
(ii)	**B1**	for a suitable sampling units e.g. people who pay for the service, subscriber (s), customer (s). Do not allow customer (s) satisfaction o.e.	
(b)	**B1**	for a suitable reason e.g. it is quicker, cheaper, easier to process	
(c)	**M1**	Binomial distribution or B(….) seen	
	A1	B(50, 0.35) or binomial stated with $n = 50,\ p = 0.35$	
(d)	**M1**	For $1 - \mathrm{P}(X \leqslant 20)$, may be implied by $1 - 0.8139$ or $\mathrm{P}(X \geqslant 21)$	
	A1	awrt 0.186 (Calc: 0.186054…) (Correct answer 2/2)	