2 $\mathscr{E}$ is the universal set and A, B and C are three sets.

$\mathscr{E} = \{ p, q, r, s, t, u \}$
$A = \{ p, r, t \}$
$B = \{ q, r, s \}$

(a) List the elements of the set $A \cap B'$

(1)

Given that
$n(C) = 3$
$n(A \cap C) = 2$
$n(B \cap C) = 1$

(b) list all the possible sets C

(3)

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Question 2 continued

(Total for Question 2 is 4 marks)