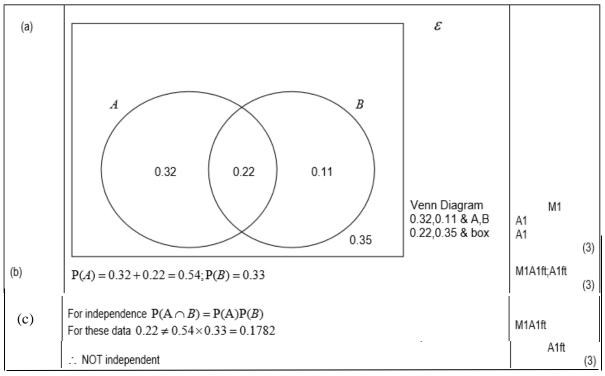
Mutually Exclusive & Independent Events - Edexcel Past Exam Questions MARK SCHEME

Question 1: Jan 06 Q6



Question 2: June 09 Q7

Question Number	Scheme		Mark	s
(a) (i)	$P(A \cup B) = a + b $.0	B1	
(ii)	$P(A \cup B) = a + b - ab$ or equivalent		B1	(2)
(b)	$P(R \cup Q) = 0.15 + 0.35$ = 0.5	5	В1	(1)

Question 3: June 11 Q6

Question Number	Scheme	Marks
(a)	$P(J \cup K) = 1 - 0.7$ or $0.1 + 0.15 + 0.05 = \underline{0.3}$	B1
(b)	P(K) = 0.05 + 0.15 or "0.3" $-0.25 + 0.15$ or "0.3" $= 0.25 + P(K) - 0.15$	(1) M1
	May be seen on Venn diagram $= 0.2$	A1 (2)