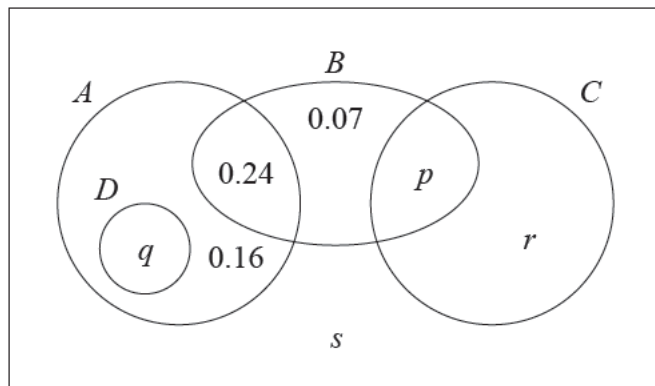


1. The Venn diagram shows the probabilities associated with four events, A , B , C and D



- (a) Write down any pair of mutually exclusive events from A , B , C and D

(1)

Given that $P(B) = 0.4$

- (b) find the value of p

(1)

Given also that A and B are independent

- (c) find the value of q

(2)

Given further that $P(B'|C) = 0.64$

- (d) find

(i) the value of r

(ii) the value of s

(4)