

STEP II, 2014, Q13 EC

Question 13

This was the more popular of the two questions on Probability and Statistics, but as in previous years it still only attracted answers from a very small number of candidates. The average mark for this question was also quite low, often due to a difficulty in explaining the reasoning behind some of the parts of the question. Many candidates were able to find the expression for $P(X = 4)$ and most were then able to obtain the general formula required in part (i) of the question, although a number of candidates did not include the correct number of factors in the answer. Parts (ii) and (iii) did not cause too much difficulty, but the final part required a clear explanation to gain full marks.



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