

- (2)

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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Q1





This image shows a full page of blank, lined paper. It features approximately 28 horizontal gray lines spaced evenly apart, typical of standard notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings present.

This image shows a full page of blank, lined paper. It features approximately 28 horizontal grey lines spaced evenly apart, typical of standard notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings present.

(Total 10 marks)

Q2





[illegible]

This image shows a full page of blank, lined paper. It features approximately 28 horizontal gray lines spaced evenly apart, typical of standard notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings present.

Question 3 continued

Handwriting practice area with 30 horizontal lines.

(Total 10 marks)

Q3

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This image shows a full page of blank, lined paper. It features approximately 28 horizontal grey lines spaced evenly across the page, typical of standard notebook paper. The lines are thin and light grey, set against a plain white background. There is no handwriting or other markings on the page.

[illegible]

This image shows a full page of blank, lined paper. It features approximately 28 horizontal gray lines spaced evenly apart, typical of notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings present.

[illegible]

Q4

(a) fewer than 9 customers arrive for breakfast on a Monday morning between 10 am and 11 am.

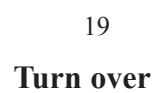
(3)

(b) Using a suitable approximation, estimate the probability that more than 50 customers arrive for breakfast next Tuesday.

(6)

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

(Total 9 marks)



(b) Using a 1% level of significance find the critical region of this test. You should state the probability of rejection in each tail which should be as close as possible to 0.005 (5)

(c) Write down the actual significance level of the test. (1)

(d) Comment on this finding in light of your critical region. (2)

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(Total 10 marks)

Q6



[illegible]

Question 7 continued

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(Total 11 marks)

Q7

TOTAL FOR PAPER: 75 MARKS

END

