



TONBRIDGE SCHOOL

Sample Paper for Entrance into Year 12

Computer Science

Time allowed:
45 minutes

Name

School

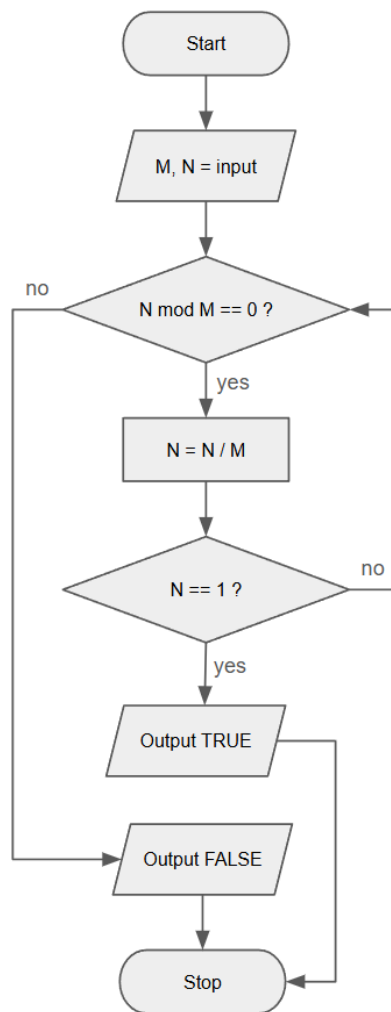
Total marks:

25

Instructions:

Answer all FOUR questions in the spaces provided on the question paper.
Do not use a calculator.

1. In the following algorithm, represented as a flowchart, M and N are integers such that $N > M > 1$. Explain in general terms what this algorithm does, stating clearly how the output relates to the input of M and N . [5 marks]



2. Write a program (in any language you like) that asks the user for a sequence of integers and prints ASCENDING if the integers are in ascending order or NOT ASCENDING otherwise. Integers should be input on a single line with spaces between them.

Example Input	Example Output
14 226 374 451 1157 2076	ASCENDING
1 2 2 3 4 5	NOT ASCENDING
99 1 2 3 4	NOT ASCENDING
5	ASCENDING

[5 marks]

This image shows a full page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for handwriting practice. There are no margins, text, or other markings on the page.

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

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Handwriting practice lines consisting of 24 horizontal dotted lines.