

Paper reference 1CP2/01  
Pearson Edexcel  
Level 1/Level 2 GCSE (9 – 1)

**Computer Science**  
**PAPER 1: Principles of Computer Science**

**Friday 19 May 2023 – Afternoon**  
**Time: 1 hour 30 minutes**

**Data Book**

|                         |  |  |  |  |  |
|-------------------------|--|--|--|--|--|
| <b>Surname</b>          |  |  |  |  |  |
| <b>Other names</b>      |  |  |  |  |  |
| <b>Centre Number</b>    |  |  |  |  |  |
| <b>Candidate Number</b> |  |  |  |  |  |

## INSTRUCTIONS

There may be spare copies of diagrams in case you need them.

**THIS DATA BOOK MUST BE RETURNED  
WITH THE QUESTION PAPER AT THE END  
OF THE EXAMINATION.**

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**Spare copies**

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Question 1 (a) (i)

Table

| BUS | ROLE  |
|-----|---|
|     | Carries a read signal to main memory.               |
|     | Carries the memory location of a piece of data.     |
|     | Carries an instruction from main memory to the CPU. |

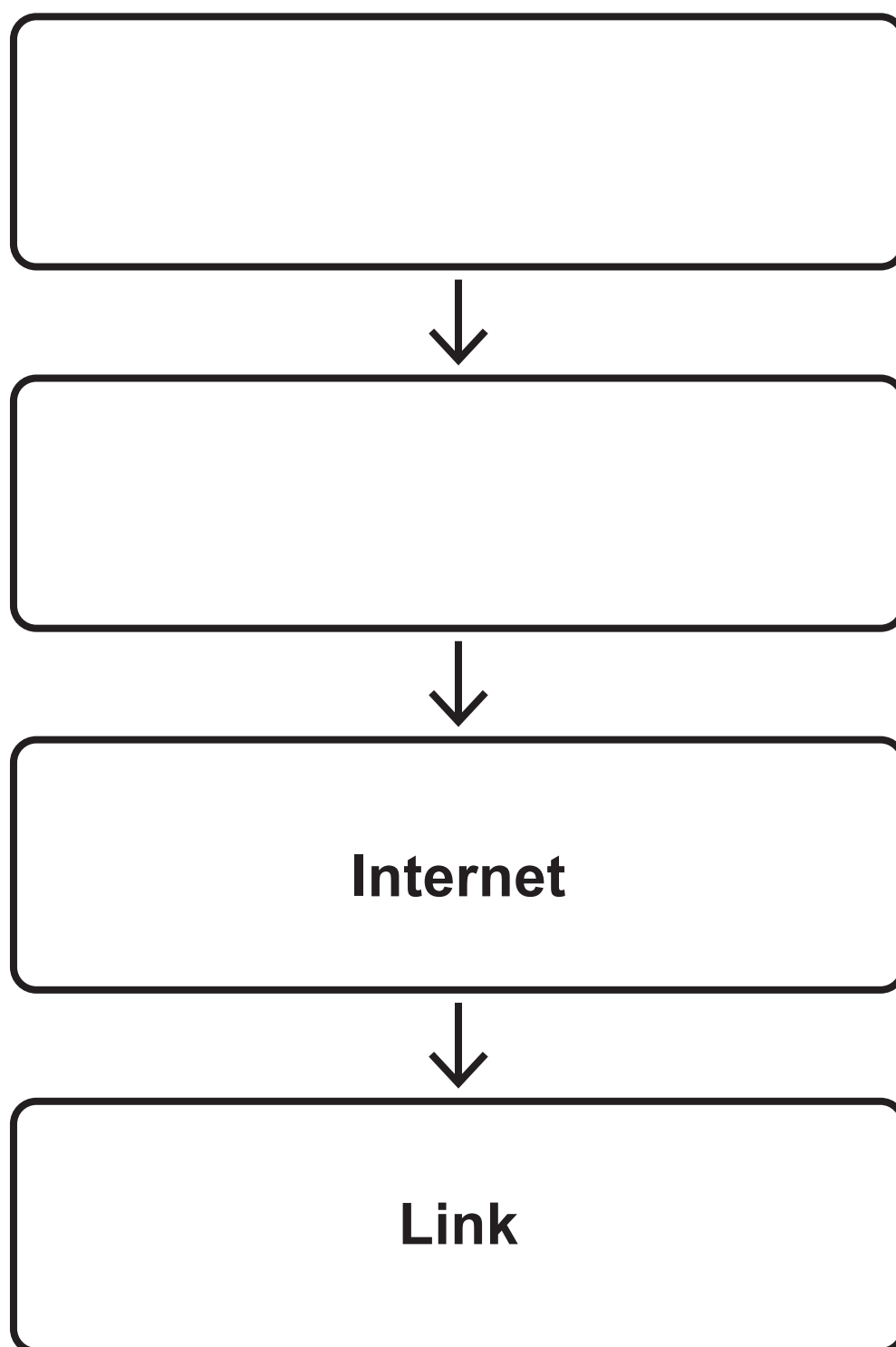
Question 1 (e)

Table

| METHOD OF CODE REVIEW  | DISADVANTAGE |
|------------------------|--------------|
| By a programmer        |              |
| By an automated system |              |

## Question 2 (a)

### Diagram

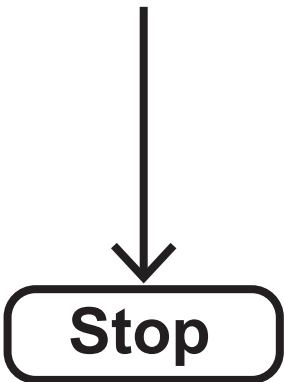
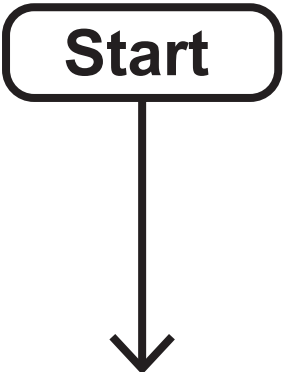


Question 3 (e)

Table

| SITUATION   | ETHICAL OR LEGAL ISSUE |
|---|------------------------|
| An online learning platform publishes data about how students answer questions. | Consent                |
| A teacher uses another teacher’s login to change student grades.                |                        |
| A school displays closed – circuit television (CCTV) screens in a public area.  |                        |

Question 4 (c)  
Flowchart





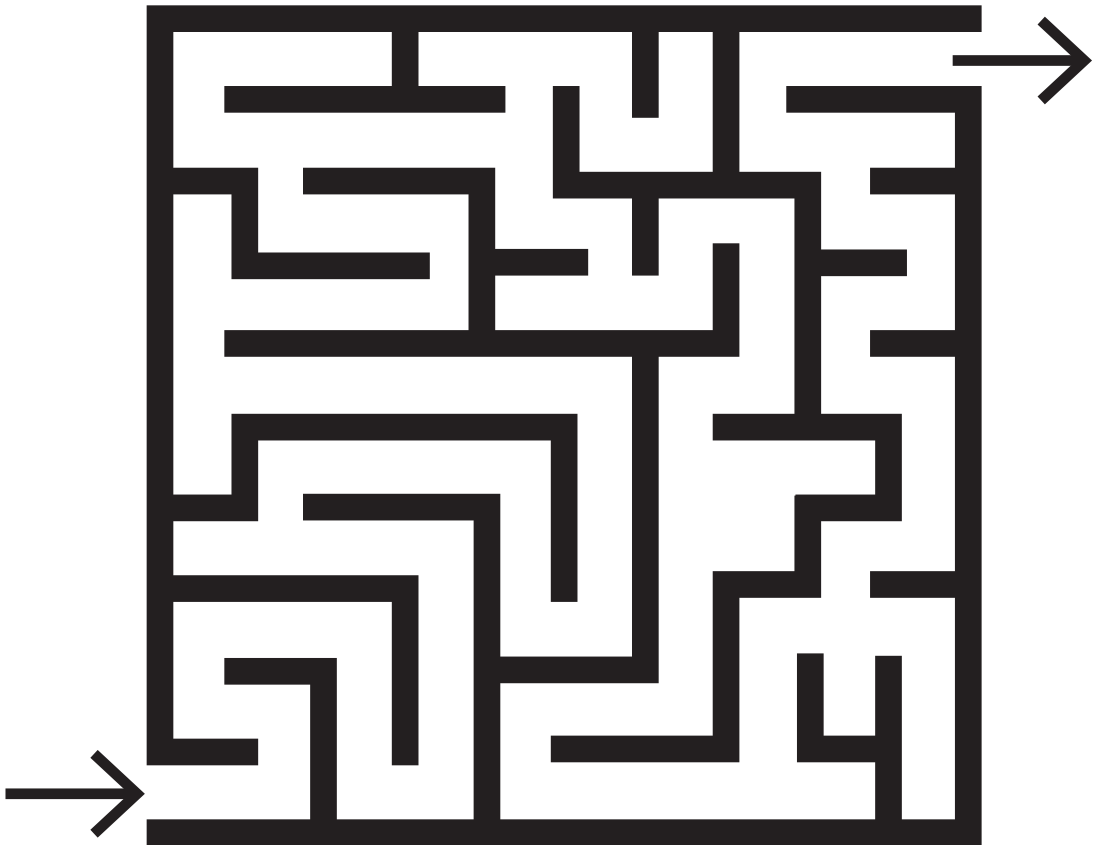
Question 4 (e)

Truth table

| S | M | S AND M |
|---|---|---------|
|   |   |         |
|   |   |         |
|   |   |         |
|   |   |         |

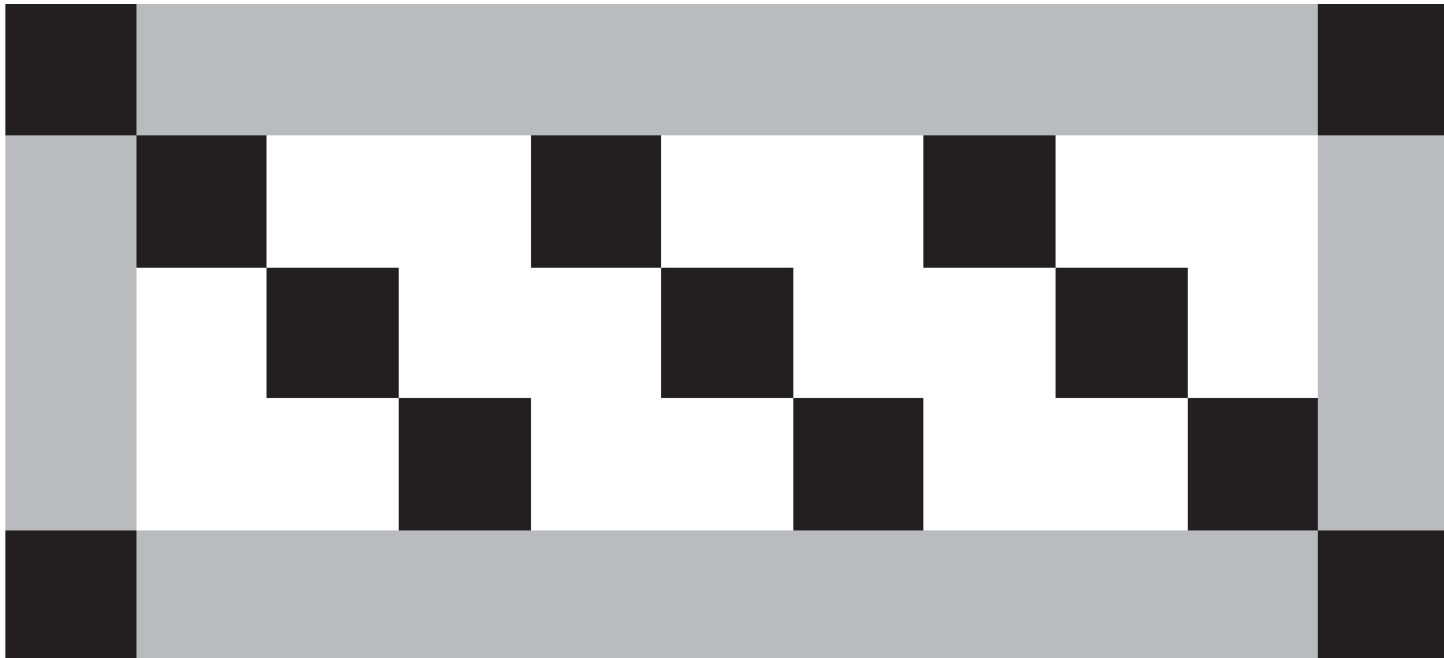
Question 4 (f)

Maze game



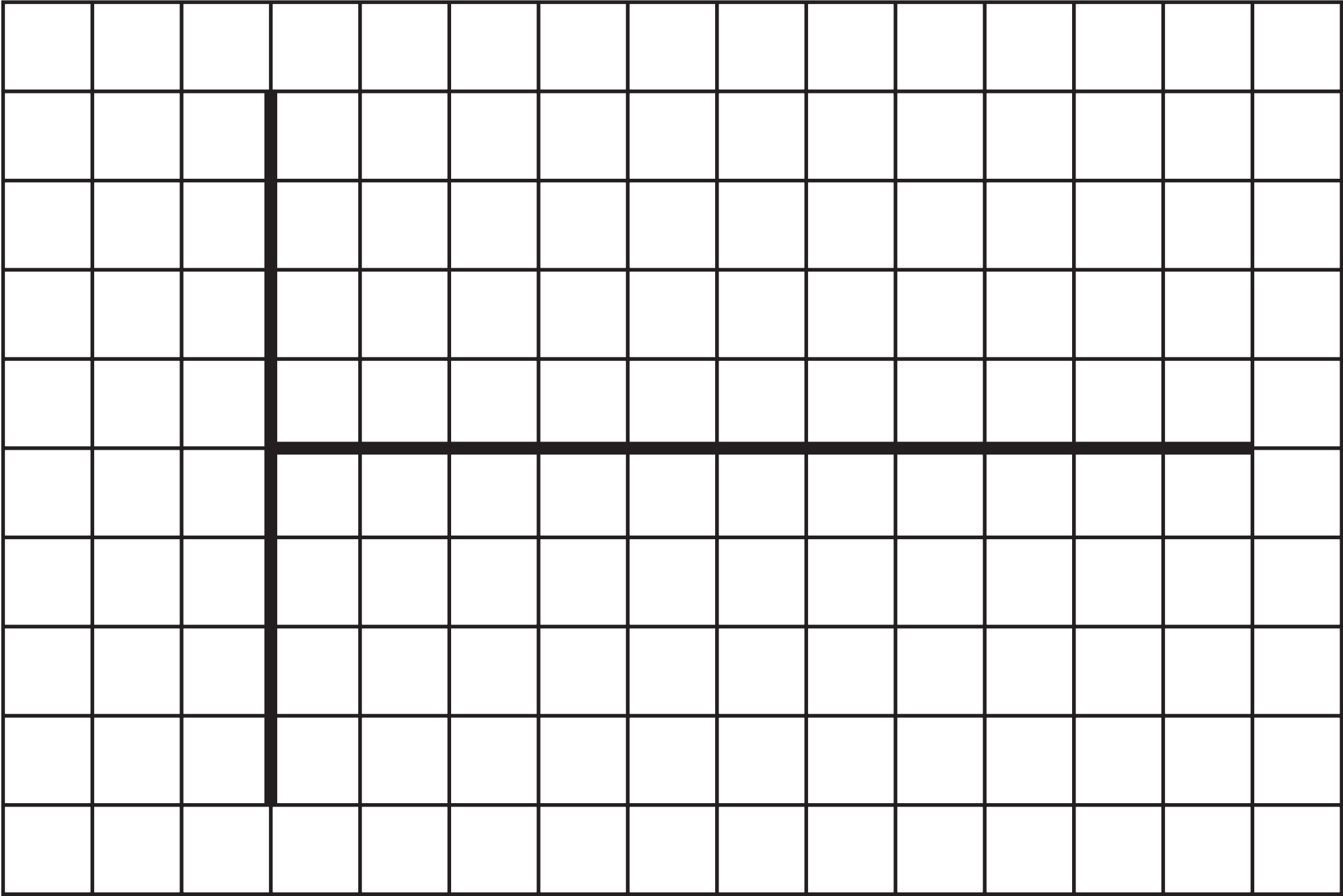
Question 5 (b)

Original Image



Question 5 (f)

Grid to draw a graph



Question 1 (a) (i)

Table

| BUS | ROLE  |
|-----|---|
|     | Carries a read signal to main memory.               |
|     | Carries the memory location of a piece of data.     |
|     | Carries an instruction from main memory to the CPU. |

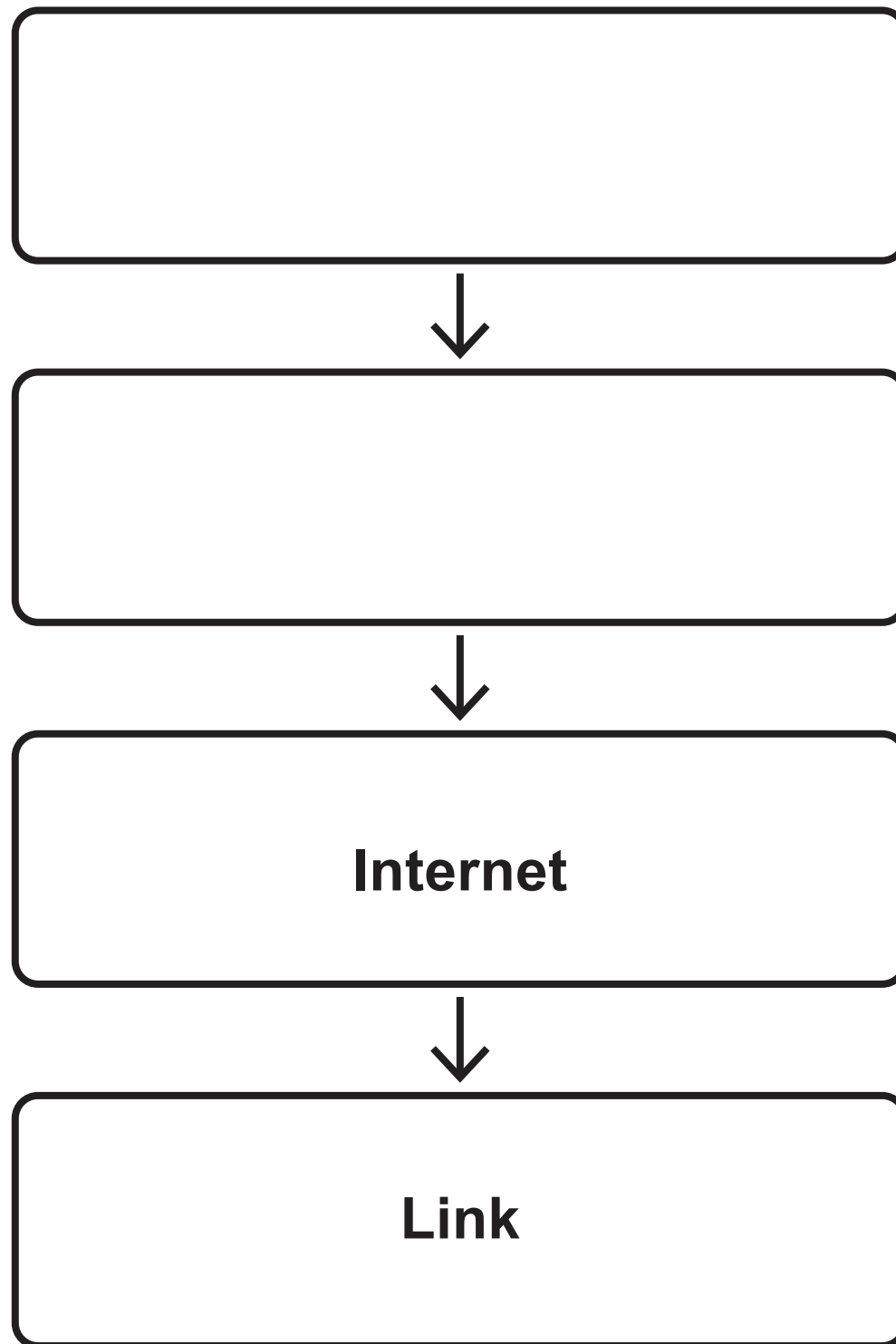
Question 1 (e)

Table

| METHOD OF CODE REVIEW  | DISADVANTAGE |
|------------------------|--------------|
| By a programmer        |              |
| By an automated system |              |

## Question 2 (a)

### Diagram



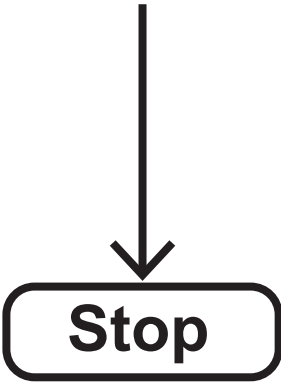
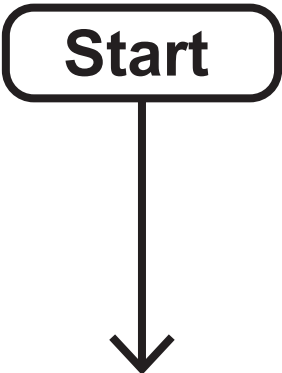
Question 3 (e)  
Table

| SITUATION   | ETHICAL OR LEGAL ISSUE |
|---|------------------------|
| An online learning platform publishes data about how students answer questions. | Consent                |
| A teacher uses another teacher’s login to change student grades.                |                        |
| A school displays closed – circuit television (CCTV) screens in a public area.  |                        |



Question 4 (c)

Flowchart



Question 4 (e)

Truth table

| S | M | S AND M |
|---|---|---------|
|   |   |         |
|   |   |         |
|   |   |         |
|   |   |         |

Question 5 (f)

Grid to draw a graph

