

Part A (20 marks)

Define the following programming terms: [12 marks]

1. Algorithm

2. Debugging

3. Pseudocode

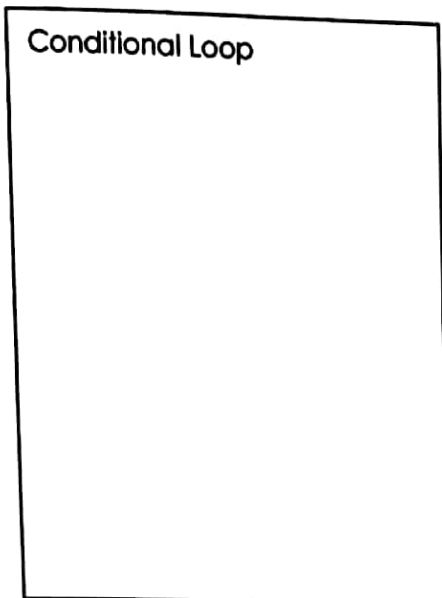
4. Flowchart

5. Syntax Error

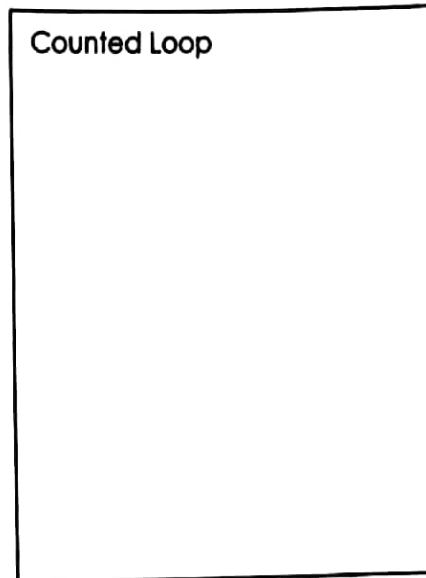
6. Logic Error

Draw flowchart symbol for the following functions [8 marks]

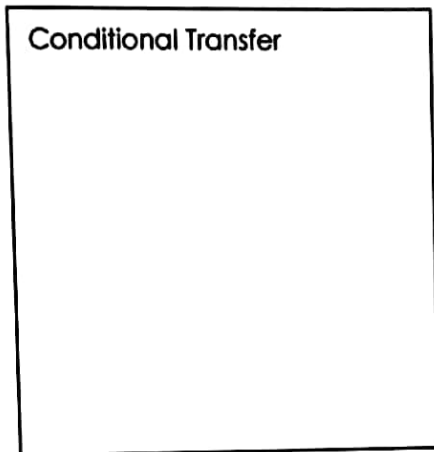
Conditional Loop



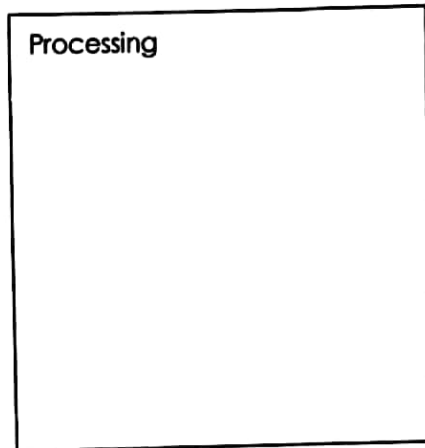
Counted Loop



Conditional Transfer



Processing



Part B (20 marks)

Construct an algorithm and a flowchart to calculate and print out value **C** as defined in the formula below. **Use a separate module to compute the factorial.**

$$C = (n - i)! / (i! n!)$$

Answers:

Algorithm

Flowchart