

1.1.5

The screenshot shows the CodeTantra IDE interface. The title bar says "CODETANTRA Home". The top right shows the user "antara.mangle.batch2025@sitnagpur.siu.edu.in" and options like "Support" and "Logout". The main area is titled "1.1.5. Student Pass or Fail Status". It contains instructions: "Write a Python program to determine whether a student passed the exam or not based on their marks." Below this are sections for "Pass/Fail Criteria" and "Input Format". The "Pass/Fail Criteria" section lists: "A student passes if marks ≥ 40 " and "A student fails if marks < 40 ". The "Input Format" section states: "Single line contains an integer representing the marks obtained by the student." The code editor shows a Python script named "passOrFa...":

```
marks = int(input())
if marks >= 40:
    print("Pass")
else:
    print("Fail")
```

The code editor includes performance metrics: Average time 0.014 s, Maximum time 0.022 s, and execution times for 14.00 ms, 22.00 ms, and 45 ms. Below the code editor is a results panel showing test case results:

Test Case	Expected Output	Actual Output	Status
Test case 1 (22 ms)	45	45	Pass
Test case 2 (9 ms)			
Test case 3 (16 ms)			

At the bottom are buttons for "Debug", "Reset", "Submit", and "Next >".

Algorithm

Step 1: Start

Step 2: Input the student's marks

Step 3: Check if the marks are **40 or more**

Step 4: If marks are **40 or more**, **print "Pass"**

Step 5: If marks are **less than 40**, **print "Fail"**

Step 6: Stop

Flowchart

