

Unit 1 Exam Style Question 1

Question 1 [25 marks]

a. [9 marks]

Explain what the following program fragment does, both line by line and overall.

```
String name;  
Scanner scanner = new Scanner(System.in);  
  
System.out.println("What is your name?");  
name = scanner.nextLine();  
String response = "Hello " + name;  
System.out.println(response);
```

b. [6 marks]

*The following program fragments contain bugs. **Identify and correct the bugs justifying your corrections.***

```
i)  
String hello1 = "Hello " + "There;  
ii)  
String hello2 = "Hello" + "There";  
iii)  
strng hello3 = "Hello There";
```

c. [10 marks]

Write a Java program using that asks the user what colour eyes they have, then prints out a message confirming it:

*What colour are your eyes? blue
So your eyes are blue are they. I like blue.*

A second run might go (where the user types brown rather than blue):

*What colour are your eyes? brown
So your eyes are brown are they. I like brown.*