Daffodil International University
CSE313-Compiler design
Spring-2026
Quiz1
Time: 45 minutes
Section:66_K
Marks:15

Q1.

Draw a transition state diagram that accepts those strings in the language, L={-12, +25, -12.34, +0.45, -0.45, -2.45E12, +2.45E12, +66.78E-21, -66.78e+21, -0.45E+10, +0.45E+10, -34E5, +45E-10}.

Q2.

Identify the errors in the code and classify them

```
#include <stdio.h>
int main() {
    int 2value = 10;
    printf("Hello World!")
    int a = 5;
    float b = "3.14";
    int sum = 0;
    for (int i = 1; i <= 5; i++); {
            sum = sum + i;
        }
    printf("Sum = %d\n", sum);

    return 0;
}
```

Q3.

Describe the working mechanism of six phases of the compiler for the statement: **a=b+c*d/5;**

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