

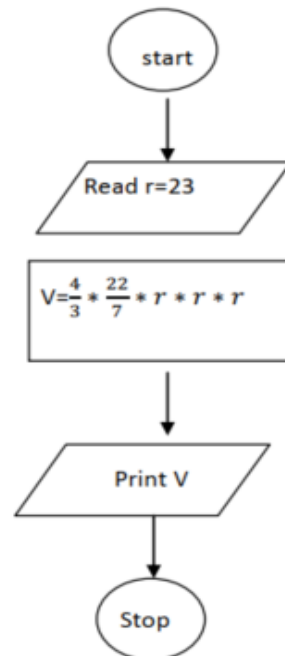
Department of Computer Science and Engineering
Stamford University Bangladesh
CSI 121: Structured Programming Language
Summer 2023 Final Exam

Full Marks: 6*15+10(Bonus) = 100

Time: 2:30 Hours

1. Write a C program for the given flow chart in the right side.
2. The table below represents eggs a farmer sells each day.
Write a C program that calculates the average egg sold by the farmer for the four days.

| Day | Egg Sell |
|-----|----------|
| 1 | 34 |
| 2 | 37 |
| 3 | 33 |
| 4 | 31 |



3. Write a C program that accepts weights of 10 students and stores them in an array, the program should then prompt the user to enter a weight and then search through the array of the entered weights to check whether the weight entered is found.

4. Identify the errors in the right side C program segment. What will be its operations after correcting errors?

```
int main<>
{
    int number;
    char symbol;
    for(i=1;i=10; i--)
    {
        scanf("intial");
        printf(symbol);
        printf(/n);
    }
}
```

5. Write a C program to calculate value of S for first n number of elements like $S = 8 + 88 + 888 + 8888 + \dots$
6. Write a C program to read roll and five subjects' marks from MCSE.txt and write in another file name AvgMCSE.txt for roll and average marks.