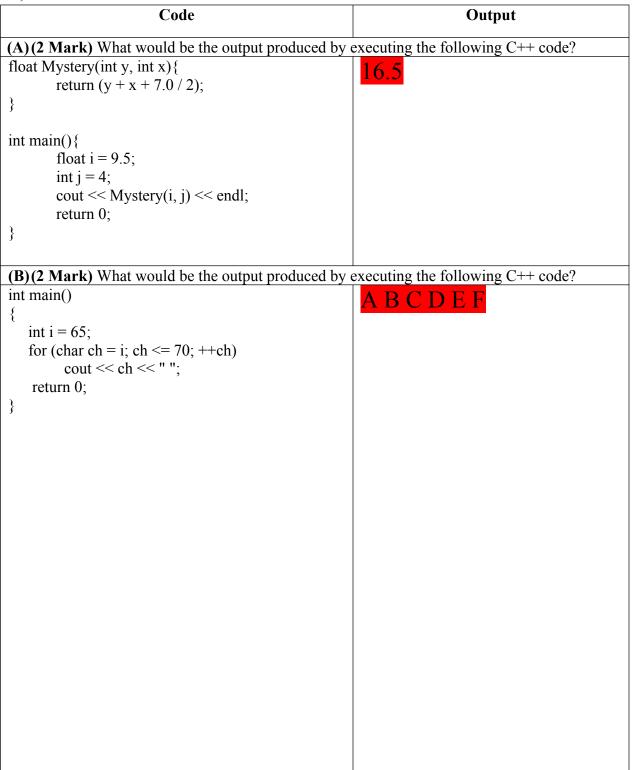
Question 01[20 marks]

Write the output of the given C++ code segments. Please note there are no syntax errors in the given set of codes. And all the code snippet contains #include<iostream> and using namespace std;



```
(C)(2 Mark) What would be the output produced by executing the following C++ code?
int fun(int x){
       return x \% 3 + 1;
int main()
       int b = 5;
       int y = 2 + \text{fun}(3 * b + 1);
       int z = \text{fun}(\text{fun}(y));
       cout << y << "-" << z;
return 0;
}
(D) (4 Mark) What would be the output produced by executing the following C++ code?
void PRINT(int i,int limit)
  do
     if (i++ < limit)
       cout<<"MID"<<i;
       continue;
  }while(i==limit);
int main()
  int i = 1;
  PRINT(i, 3);
  return 0;
MID2
```

```
(E) (4 Mark) What would be the output produced by executing the following C++ code?
int main(){
                                                       3-3-5-9-
int x, y = 4;
       for (x = 2; x < y; x++)
              y = y - 1 \% x;
       cout << y << "-";
       x = 4;
       do{
               cout << --x << "-";
               x *= 2;
       \} while (x <= 10);
return 0;}
(F) (3 Mark) What would be the output produced by executing the following C++ code?
int main(){
       int i, j, sum = 10;
       for (i = 0; i < 5; i++)
               if (i % 2)
                  for (j = 0; j \le 3; sum += j, j++);
                  for (j = 3; j>0; sum += j, j--);
       cout << sum;
(G)(2 Mark) What would be the output produced by executing the following C++ code?
int main(){
   int y = 0;
   switch (y){
         case 0: y = y + 11;
         case 1: y = y / 2;
        case 2: y = y * 5;
         case 3: y = y + 1;
         default: y = y\%3;
```

```
}
cout << y << endl;
return 0;
}</pre>
```