**MCQ SECTION  
Q1. Choose the appropriate option. (Score- 2)**

#include <iostream>

using namespace std;

int main()

{

try

{

throw 10;

}

catch (int param)

{

cout << "int exception "<<endl;

}

catch (...)

{

cout << "default exception "<<endl;

}

return 0;

}

a) default exception

**b) int exception**

c) int exception default exception

d) compile time error

#### Q2.Which is among following is used to Open a file for output and move the read/write control to the end of the file ? –(Score 2)

#### ios::ate

#### ios::at

#### ios::aet

#### ios::end

**Q3. Output of the following code: (Score- 2)**

#include <iostream>

#include <vector>

#include <string>

using namespace std;

int main()

{

vector<int> v1(5);

for (int i = 0; i < v1.size(); ++i) {

v1[i] = (i+1) \* 2;

}

for (int i = 0; i < v1.size(); ++i) {

cout<< v1.at(i) <<"";

}

cout<<endl;

return 0;

}

1. **2 4 6 8 10**
2. 1 2 3 4 5
3. 10 8 6 4 2
4. 3 5 7 9 11

**Q4.** **Which is correct syntax ? (Score- 2)**

a)    myfile:open ("example.bin", ios::out);

b)    myfile.open ("example.bin", ios:out);

c)    myfile::open ("example.bin", ios::out);

d)    **myfile.open ("example.bin", ios::out);**

**Q5. If you enter 1 0, what is the output of the following code?**

#include <iostream>

using namespace std;

int main()

{

int number1, number2;

cin >> number1 >> number2;

try

{

if (number2 == 0)

throw number1;

cout << number1 / number2 << endl;

cout << "C";

}

catch (int e)

{

cout << "A";

}

cout << "B";

return 0;

}

1. A
2. B
3. **AB**
4. C

**CODING SECTION**

*PROBLEM STATEMENT-1(10 marks)*

For a sequence container which allows insertion and deletion from both ends. Enter the elements as per the size given by the user. Each element should be inserted from the front end, and after insertion remove the first element of the container.

**Sample Input Test Case 1:**

4 // (N) size

3 4 5 6 //elements to be inserted

**Sample Output Test Case 1:**

6 5 4 3 //elements after insertion & before removal

5 4 3 //after removal of first element

**Sample Input Test Case 2:**

3 //(N) size

4 5 9 //elements to be inserted

**Sample Output Test Case 2:**

9 5 4 //elements after insertion & before removal

5 4 //after removal of first element

**Constraint**: each input(n) varies as 0<=n<=100 and 0<=N<=100

**Explanation:**

**Sample Input:**

First line denotes size

Second line denote different elements to be entered

**Sample Output:**

First line denote inserted elements after insertion and before removal of a number

Second line denotes elements after removal of first element

**Head:**

#include <iostream>

#include <algorithm>

#include <deque>

using namespace std;

int main()

{

deque<int> deq ;

**Tail:**

cout<<deq[i]<<” “;

}

return 0;

}

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Testcase0**  **(sample)**  **(Score-0)**  **Input**  4  3 4 5 6  **Output**  6 5 4 3  5 4 3 | **Testcase1**  **(sample)**  **(Score-0)**  **Input**  3  4 5 9  **Output**  9 5 4  5 4 | **Testcase2**  **(Score-2)**  **Input**  2  7 8  **Output**  8 7  7 | **Testcase3**  **(Score-2)**  **Input**  6  1 4 5 7 8 9  **Output**  9 8 7 5 4 1  8 7 5 4 1 | **Testcase4**  **(Score-2)**  **Input**  3  0 1 4  **Output**  4 1 0  1 0 | **Testcase5**  **(Score-2)**  **Input**  1  4  **Output**  4 | **Testcase6**  **(Score-2)**  **Input**  3  0 0 0  **Output**  0 0 0  0 0 |