## Problem Sheet 7

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- Q. 1 To convert from a user-defined class to a basic type, you would most likely use
  - (a) a built-in conversion operator.
  - (b) a one-argument constructor.
  - (c) an overloaded = operator.
  - (d) a conversion operator that is a member of the class.

Explain with an example.

- Q. 2 If a base class contains a member function basefunc(), and a derived class does not contain a function with this name, can an object of the derived class access basefunc()? Explain.
- **Q. 3** The scope-resolution operator usually
  - (a) limits the visibility of variables to a certain function.
  - (b) tells what base class a class is derived from.
  - (c) specifies a particular class.
  - (d) resolves ambiguities.

Answer with one or multiple choices with an example.

**Q. 4** Write the output for the following code snippet:

```
#include<iostream>
using namespace std;
void printab (int c, int& d);

int main ()

int a = 10, b = 5;
printab (a, b);
cout << "the value of a is = " << a << endl;
cout << "the value of b is = " << b << endl;
return 0;
}</pre>
```

```
void printab (int c, int& d)

cout << "the first value sent to print is = " << c << endl;
    cout << "the second value sent to print is = " << d << endl;

cout << "the second value sent to print is = " << d << endl;

c = 11;
    d = 9;
    return;
}</pre>
```