M.Sc 3rd Semester Examination 2010

APPLIED MATHEMATICS WITH OCEANOLOGY AND COMPUTER PROGRAMMING

PAPER—MA-2104

(*Object Oriented Programming with* C++)

Full Marks : 25

Time : 1 hour

Answer **Q.No.1** any **two** from the rest

The figures in the right-hand margin indicate marks

1. Answer any *two* :   2 × 2

   (a) Explain constructor and destructor in C++.

   (b) What do you mean by data abstraction and encapsulation ?

   (c) What are the utilities of the functions fail( ) and eof( ) ?

2. (a) What do you mean by inheritence ? Explain different types of inheritence available in C++.

(b) Explain all the sections used in a class of
C++ language. 5 + 3

3. (a) What do you mean by function polymorphism?
Explain this feature with an example.

(b) How a class can be defined within another
class? Explain with an example. 5 + 3

4. (a) Write a program in C++ which will read an
ASCII file and will display its content by
converting all alphabets into upper case.

(b) What extra features are available in C++
then C? 5 + 3

[*Intrernal Assessment* — 5 Marks]