Total Pages-3

## PG/IVS/MTM-402/15

## M.Sc. 4th Semester Examination, 2015

## APPLIED MATHEMATICS WITH OCEANOLOGY AND COMPUTER PROGRAMMING

(Data Structure and Design and analysis of Algorithms)

PAPER - MTM - 402

(Unit – 1)

Full Marks: 25

Time : 1 hour

The figures in the right-hand margin indicate marks

1. Answer any two questions :

 $2 \times 2$ 

(a) Explain  $\Omega$  (Big-Omega) notation with its use.

(b) Compare the data structure array and link list.

(c) What are the best case, average case and worst case time complexities of binary search?

(Turn Over)



