

2016

M.Sc. Part-I Examination

**APPLIED MATHEMATICS WITH
OCEANOLOGY AND COMPUTER PROGRAMMING**

PAPER—I

Full Marks : 100

Time : 4 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

**Write the answer to questions of each group in
Separate answer booklet.**

Group—A

(Real Analysis)

[Marks : 40]

Answer Q. No. 1 and any three from Q. No. 2 to Q. No. 6.

1. Answer any one of the following : 1×1

(a) Define a measurable function.

(b) When a bounded function on $[a, b]$ is said to be Lebesgue integrable on $[a, b]$?

(Turn Over)

