

INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)

May-June 2018-END SEMESTER EXAMINATION

B.Sc (Nautical Science)

Semester: V

METEOROLOGY-III-(UG21T2507)

Time: 3 hours

Date:16-07-2018

Max Marks:70

Pass Marks:35

Q.NO 1 IS COMPULSORY.ATTEMPT ANY 6 OUT OF THE REST.

- 1) Write short notes on the following (5 X 2 MARKS)
- a) Doldrums
 - b) Air mass
 - c) Iceberg
 - d) Warm front
 - e) Weather charts.
- 2) Discuss the formation of sea and land breeze (10 MARKS)
- 3) Explain how air mass are classified and their properties. (10 MARKS)
- 4) a. Write short notes on Ice Berg of Glacier origin and Shelf origin (5 Marks)
- b. Define (i) Ice edge (ii) Pack Ice (5 MARKS)
- 5) Explain the contents and use of ship's weather code. (10 MARKS)
- 6) Explain the movement of katabatic and anabatc wind. (10 MARKS)
- 7) a. Describe the sources of Meteorological data. (5 Marks)
- b. What are the different ways by which weather bulletin is received on a ship. (5 MARKS)

8) What actions to be taken in case of accumulation of ice on decks.

(10 MARKS)

9) What are the different ways in which ship can receive weather information.

(10 MARKS)