

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

May-June 2018-END SEMESTER EXAMINATION

B.Sc (Nautical Science)

Semester: VI

MATEOROLOGY – IV (UG21T2607)

Date: 18-06-2018

Maximum Marks: **70**

Time: **3 hrs**

Pass Marks: **35**

Question No.1 is compulsory. Attempt any 6 Questions our to the rest.

1. Write Short Notes on:
 - a) Sea fog (2 Marks)
 - b) TRS (2 Marks)
 - c) Eye of Storm (2 Marks)
 - d) Weather bulletin (2 Marks)
 - e) Cumulonimbus cloud (2 Marks)
2. Explain the general movement of current in Indian Ocean. (10 Marks)
3. Discuss the weather associated with the following: (5 x 2 Marks)
a)Ridge b)Col c)Trough d)Straight Isobar Patterns e)Anticyclone
4. What is frontogenesis? Explain with suitable diagram. (10 Marks)
- 5.List down the signs of approaching TRS. (10 Marks)
- 6.Explain avoiding action to be taken while coming in vicinity of TRS. (10 Marks)
- 7.Explain in detail the weather associated with tropical revolving storm in eye, eye wall and outer boundaries of eye wall. (10 Marks)
- 8.Describe onset and movement of SW monsoon in India. (10 Marks)
- 9.How weather routeing can be used to save time and fuel? Explain. (10 Marks)
