

Indian Maritime University
(A Central University, Govt of India)
B.SC (Nautical Science)
May/June 2018 End Semester Examinations
Semester IV
Meteorology-II-UG21T2411

Time: 3 Hours

Max Marks: 70

Date: 27.06.2018

Pass Marks: 35

Question no.1 is compulsory

Attempt any 6 out of the remaining questions.

All questions carry equal marks

1. Decode the following. (10 marks)
BBXX VHAN 16003 99000 10469 41593 70510 10285 20208
40088 53036 70694 84299 22242 00206 20401 327// 40808
2. Explain the causes of formation of ocean currents. (10 marks)
3. Write short notes on the following (2x5=10 marks)
a) Swell b) storm surge.
4. Explain the horizontal and vertical distribution of salinity in the ocean and its controlling factor. (10 marks)
5. Explain principle, construction, use and operation of aneroid barometer. (10 marks)
6. Explain principle, construction, use and operation of anemometer. (10 marks)
7. What are the different ways by which ships receive weather reports? State Meteorological equipments and logs, related to weather observation is to be carried by ship. (10 marks)
8. How ocean current affect the climate of the region. (10 marks)
9. a) What are the forces causing formation of tides. (2x5=10 marks)
b) Name different types of tides.