

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

May/June 2015 End Semester Examinations
B.Sc. (Nautical Science) - Second Semester (2013 batch onwards)

Bridge Equipment, Watch Keeping & Collision Regulation Paper- II (T 2208)

Date : 20.06.2015
Time: 3 Hrs

Maximum Marks: 70
Pass Marks : 35

SECTION- A

BRIDGE EQUIPMENT & WATCH KEEPING

(40 Marks)

(Attempt **any FOUR** questions from this section. All questions carry equal marks)

1. Explain the operation and principle of Emergency steering.
2. What are the standard wheel orders and their meanings?
3. How would you monitor the navigation of the pilot?
4. What conditions must be satisfied by the OOW before taking over a bridge watch?
5. What are the circumstances in which the OOW should call the Master immediately?

SECTION – B

COLLISION PREVENTION

(30 Marks)

(Attempt **any THREE** questions from this section. All questions carry equal marks)

1. With the help of a neat diagram explain the lights and shapes displayed by a power driven vessel underway of length more than 50 meters engaged in towing operations with length of tow exceeds 200 meters both by night and by day.
2. Draw the lights and shapes displayed by the following vessels:
(a) Vessel Constrained By her Draught (b) Vessel Not Under Command
(c) Vessel Aground d) Vessel at anchor (e) Fishing Vessel
3. With the help of a neat diagram, draw the arc of visibility of
(a) Masthead lights (b) Side Lights (c) Stern Light
(e) Towing light (f) Anchor Light
4. Give the sound signal for the following, when vessels are in sight of one another in a Narrow channel:
a) I am altering my course to Port b) I am operating astern propulsion
c) I intend to overtake you from your starboard side
(a) Two vessels approaching each other and fail to understand the other vessel's intentions.
