

INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)
May-June 2018 End Semester Examinations
Diploma in Nautical Science (DNS)
Semester : II

Navigation IV: Advanced Bridge Equipment, Watchkeeping and Meteorology
(UD11T 2202)

Date: 05-06-2018

Maximum Marks : 70

Time: 2 Hrs

Pass Marks : 35

SECTION-A

Answer any five questions out of six, for a total of 50 marks

1. With a block diagram explain the basic working of a Marine Radar.
2. Write short notes on (a) GPS. (b) AIS
3. Explain the importance of maintaining situational awareness while on navigational watch at all times.
4. List out Ten entries made in a deck log book.
5. Define the following with reference to COL. REG.
 - (a) Vessel constrained by her draught
 - (b) Vessel not under command
 - (c) Vessel restricted in her ability to manoeuvre
 - (d) Power Driven vessel
6. How should a power driven vessel navigate in a Traffic Separation Scheme.

Section – B

Answer any two questions out of three, for a total of 20 marks

7. Write short notes on the following:
 - (a) Buys Ballots Law
 - (b) Land and Sea breezes
8. Explain the basic concepts relating to tropical revolving storms
(TRS)?
8. Explain the formation of surface currents and list the important currents.
