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INDIAN MARITIME UNIVERSITY

(A Central University, Government of India)

May/June 2018-End Semester Examination

B.Tech(Marine Engineering)

Semester II

Seamanship, Elementary Navigation & Survival at Sea (UG11T2201/1201)

Date: 09-06-2018

Maximum Marks:100

Time: 3 Hrs

Pass Mark : 50

Section- A

(All questions are Compulsory) Marks: 10 x 3 = 30

- a) What are the alarms mentioned in Muster List?
- b) Describe Immersion Suit & TPA.
- c) Describe Pyrotechnics carried in lifeboat.
- d) Briefly Explain different types of anchors & their uses.
- e) Describe different ways Lifeboats are launched.
- f) What is HRU? Where is it connected with?
- g) Describe briefly Role of safety officer on board.
- h) Name Annexes of MARPOL (in force), name them
- i) Name different types of Ropes used on board ships.
- j) Write short notes on ill effects of cargo on human and environment.

Section-B

(Answer any 5 of the following Questions) Marks: 5 x 14 = 70

2. Describe the Crew structure(Organization chart) on a Merchant vessel.
Describe the Role of Master briefly. (14)
3. Describe with a simple sketch the various parts of a seagoing vessel. (14)
4. Explain the purpose of following Conventions. (14)
(i) SOLAS (ii) MARPOL (iii) STCW (iv) ISPS
5. Describe the Contents of a Muster list. (14)
6. Name any five Navigational Equipment inside Navigation Bridge & briefly describe their purpose. (14)
7. Mention Care & Maintenance of (7+7)
(i) Natural fibre rope (ii) Steel wire rope.
8. Describe briefly survival duties (after Abandonment) when taken shelter in a survival craft. (14)
