

GUJARAT TECHNOLOGICAL UNIVERSITY**B.E. Sem-Vth Examination December 2010****Subject code: 151803****Subject Name: Seamanship and Elementary Navigation****Date: 16 / 12 / 2010****Time: 03.00 pm - 05.30 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Discuss the various duties of Seaman and define the 'Hatches'. **07**
(b) Define: **07**
1. Bow Stopper
2. Chain Locker

- Q.2** (a) Explain Lights and Signals used in Ship. **07**
(b) Briefly explain 'Knots'. **07**

OR

- (b) Write Short Note on Materials used for making different types of Ropes. **07**

- Q.3** (a) Make a neat sketch of Windlass and define 'The Gypsy'. **07**
(b) Discuss: **07**
1. Forecastle Deck
2. Double Bottom Deck

OR

- Q.3** (a) What is a Patent Log? Give the assembly parts for that. **07**
(b) Differentiate the Windlass and Capstan. **07**

- Q.4** (a) What is Derrick? Discuss them with one of its sketch. **07**
(b) Life Boat Fittings – Describe. **07**

OR

- Q.4** (a) Make a neat sketch of Anchor with nomenclatures. **07**
(b) General Requirement for Life rafts. **07**

- Q.5** (a) Discuss: **07**
1. Mooring Terms (Names Only).
2. Mechanical Hatch Covers.
(b) Explain briefly various types of Flags used on Ship. **07**

OR

- Q.5** (a) Special Characteristics of Synthetic Ropes. **07**
(b) Differentiate between Jumbo Derrick and Stulken Derrick. **07**
