

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE SEM-IV Examination-Nov/Dec-2011

Subject code: 141801

Date: 25/11/2011

Subject Name: Fundamental of ship structure

Time: 02.30 pm -5.00 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) Explain Different types of Rudder with neat sketch. **07**
(b) Explain various terms used in ship construction. **07**
- Q.2** (a) Describe-deep tanks with neat sketch. **07**
(b) Explain different types of NDT method used in ship construction. **07**
- OR**
- (b) Explain Metal inert Gas (MIG) welding with sketch. **07**
- Q.3** (a) Water tight doors-describe in detail. **07**
(b) Explain frame bending with neat sketch. **07**
- OR**
- Q.3** (a) Explain Bending stresses developed in ship. **07**
(b) Describe with sketch **07**
1. Electro slag welding.
2. Electro gas welding.
- Q.4** (a) Describe Hawes pipes with neat sketch. **07**
(b) What is electric arc welding? Explain Manual arc welding and Automatic arc welding. **07**
- OR**
- Q.4** (a) What is function of Pillar? Describe the pillar construction with neat sketch. **07**
(b) Give general classification of ship. **07**
- Q.5** (a) Explain Double bottom structure with neat sketch. **07**
(b) Describe- periodical surveys in detail. **07**
- OR**
- Q.5** (a) Explain Bulbous bow with neat sketch. **07**
(b) Explain various terms used in ship construction. **07**
