

Seat No.: \_\_\_\_\_

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## GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA ENGINEERING - SEMESTER-VIII • REMEDIAL EXAM. – WINTER 2013

**Subject Code: 385509**

**Date: 19-09-2013**

**Subject Name: Ship Building Repairing and Recycling**

**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.
4. English version is considered to be Authentic.
5. Answer with neat sketch whenever necessary and to the point.

- Q.1** (a) Explain in brief with neat sketch :- Anatomy /skeleton of ship ? **07**
- (b) Classify and List out the various types of drawing used in ship buildings? **07**
- Q.2** (a) Explain in brief: various fabrication stages for oil tanker Iron Ship **07**
- (b) List out the different types of bulk-head ? **07**  
Explain in brief with neat sketch any one of them.
- OR
- (b) Explain in brief classification of iron ships in chart form ? **07**
- Q.3** (a) Draw neat sketch of lay out plan of Iron Ship building (fabrication) **07**  
industries and state role of each department.
- (b) Explain in brief with neat sketch ship unit construction method. **07**
- OR
- Q.3** (a) Compare the SMAW and FCAW welding for ship building ? **07**
- (b) Compare fuel gas cutting and plasma cutting with reference to ship recycling yards. **07**
- Q.4** (a) Compare X-ray and gamma rays radio grapy testing used in ship building **07**  
? Compare Normal LPT & MPT testing.
- (b) Explain in brief with neat sketch: The ship design spiral. **07**
- OR
- Q.4** (a) Define the term launching of ship ? **07**  
Classified the different type of launching ?  
Explain in brief with neat sketch any one of them.
- (b) List out the Material handling equipment , tools and accessories Explain **07**  
them in brief.
- Q.5** (a) Define the term paintings ? **07**  
List out the ingredients of paints ?  
List out the types of paints used in fabrication industries ?  
List out the method of applications for paints ?  
List out the inspection points / check points for paint ?
- (b) Write brief note on Code & Standard used in S . B. **07**
- OR
- Q.5** (a) Explain in brief with neat sketch: Lines and body plan of ship building. **07**
- (b) Explain in brief with neat sketch :- **07**  
Equipment and tools used for sand blasting.

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