

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

Enrolment No. \_\_\_\_\_

## GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA ENGINEERING – SEMESTER – VIII • EXAMINATION – SUMMER 2016

**Subject Code: 3385504**

**Date: 25/05/2016**

**Subject Name: S.B. & S.R.T.**

**Time: 10:30 AM to 01:00 PM**

**Total Marks: 70**

**Instructions:**

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of programmable & Communication aids are strictly prohibited.
5. Use of only simple calculator is permitted in Mathematics.
6. English version is authentic.

- Q.1 (a) Draw a neat sketch of Iron Ship and label its' various parts / elements 07  
(b) List out the different/various types of ship frames ? 07  
Describe & Draw a neat sketch of Mid -ship frame ?
- Q.2 (a) Draw a neat sketch of recycling yard (lay-out plan) and state the name and 07  
function of each part?  
(b) Define the term ship ' Launching ' ? 07  
List out the different/various types of launching process ?  
Describe any one typical ship ' Launching ' process ?
- OR**
- (b) Described a Classification of Iron Ship on various basis. 07
- Q.3 (a) Role of Lofting department in ship building industry . 07  
(b) Compare SAW and SMAW 07
- OR**
- Q.3 (a) List out the various / different classification societies for shipbuilding state their 07  
Roll in inspection and Q .A. of ship.  
(b) List out the different types of trials ? 07  
Describe two typical ship trials process ?
- Q.4 (a) List out the different types of bulk-head state its' function ? 07  
Describe any typical bulk head in brief with neat sketch ?  
(b) Define the term ' paint ' & state its functions ? 07  
List out the various methods' of painting used in ship building industry ?  
Compare various methods of painting ?
- Q.4 (a) Compare for five attribute/aspect / elements for testing of ship 07  
(1) UT and RT (2) DT and NDT  
(b) Classify and List out the various types of drawing used in ship building? 07

**OR**

- Q.5 (a) Describe the various/different factors affecting ship life ? 07
- (b) List out the different types of kills of ship ?  
List out the various types of decks ?  
List out the different types of bottom structures with their importance in ships ?
- OR
- Q.5 (a) Prepare a detail accident report for your Company manager.? 07  
Accident which occurred with your worker at Alang recycling Yard ?
- (b) Classify the cutting process in chart forms. 07  
Compare gas cutting and plasma cutting with reference to ship building and ship recycling process.

THE END  
Best Of Luck  
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