

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Engineering - SEMESTER-VIII • EXAMINATION – WINTER • 2016

Subject Code: 3385504

Date: 25-10-2016

Subject Name: SB&SRT

Time: 10:30 am - 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. Draw a neat sketch whenever necessary
6. English version is authentic.

- Q.1 (a) Draw neat sketch of Anatomy of Iron Ship and give application of each component / elements of Iron Ship ? 07
- (b) Describe in brief the process of ship recycling / breaking ? 07
- Q.2 (a) List out the various /different types of bulkhead ? 07
Describe with neat sketch any one of them in brief .
- (b) Described in brief : Iron ship life Definition , Meaning concept for ship recycling 07
- OR**
- (b) Described in brief with neat sketch the layout of ship recycling unit. 07
- Q.3 (a) Describe in brief with neat sketch :- Lofting is key department of ship building.
- (b) Describe in brief : ship painting 07
- OR**
- Q.3 (a) List out the different types of ship frames ? 07
Describe them in brief Aft Peak Frame.
- (b) List out the most widely used welding process in ship building ? 07
Compare GTAW & GMAW
- Q.4 (a) List different types of trial for ship ? 07
Describe in brief ship trial ?
- (b) List out the various types of welding defects seen in ship welding industries. State their causes and remedies. 07

OR

Q. 4 (a) Define the term launching of ship ? 07
Classify types of launching ?
Describe any one methods of launching with neat sketch ?

(b) List out the various tools , Material handling equipment, Accessories required for ship building & ship recycling and state its functions 07

Q.5 (a) Describe the process of purging in pipe welding of ship. 07

(b) List out the various DT & NDT process used for ship building 07
Compare DT & NDT Testing methods for ship.

OR

Q.5 (a) Roll of ABS classification societies in inspection and QA. 07

(b) Describe in brief 5P of learning in this subject. 07
