

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA ENGINEERING - SEMESTER-VIII • EXAMINATION SUMMER • 2014

Subject Code: 385509

Date: 04-06-2014

Subject Name: Ship Building Repairing and Recycling

Time: 02:30 pm - 05:00 pm

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is Authentic.
5. Write your seat no. and enrolment no. in the above given space.
6. Answer with neat sketch and to the point.

Q.1 (a) Draw neat sketch of anatomy of Iron Ship and give application of each component **07**

(b) Classification of Iron Ship in chart forms. **07**

Q.2

(a) Classify and List out the various types of drawing used in ship building? **07**

(b) Explain in brief with neat sketch :- the ship design spiral. **07**

OR

(b) Study of a lines plans and offset table for Iron Ship building. **07**

Q.3

(a) List out the different types of ship frames ?
Draw a neat sketch of mid ship frame and explain it. **07**

(b) List out the different types of bulk-head state its' function ?
Explain any typical bulk head in brief with neat sketch ? **07**

OR

Q.3 (a) Define the term ship ' Launching ' ? **07**
List out the different types of launching ?
Explain any one typical ship ' Launching ' process ?

(b) List out the different types of trials ? **07**
Explain any two typical ship trials process ?

Q.4

(a) Compare radiography and ultrasonic testing for ship. **07**

- (b) Roll of classification societies in inspection and Q .A. of ship. **07**

OR

- Q.4** (a) Explain in brief with neat sketch :- **07**
The ship hull block construction methods

- (b) Compare SAW and GMAW/ MIG **07**

Q.5

- (a) Draw a neat sketch of recycling yard (lay-out plan) and state the name **07**
and function of each part?

- (b) Prepare a detail accident report which occurred with worker at Alang **07**
recycling Yard to your Company Executive.

OR

- Q.5** (a) Importance of Ship welding sequence. **07**

- (b) Ship tonnage for ship building & recycling calculations **07**