

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Engineering - SEMESTER-VIII • EXAMINATION – SUMMER • 2015

Subject Code: 385509

Date: 16-05-2015

Subject Name: Fabrication Technology

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. English version is considered to be Authentic.

- Q.1** (a) Draw neat sketch of anatomy of Iron Ship and state application/use of each elements of Iron Ship. **07**
- (b) Draw a neat sketch of recycling yard (lay-out plan) and state the name and function of each part ? **07**
- Q.2** (a) Define the term ship ' Launching ' ? **07**
List out the different types of launching ?
Described any one typical ship ' Launching ' process ?
- (b) Described in brief 5P of learning in S.B & S.R.T. ? **07**
- OR**
- (b) List out the different types of trials ? **07**
Described any two typical ship trials process ?
- Q.3** (a) List out the different types of ship frames ? **07**
Draw a neat sketch of aft peak ship frame and Described it.
- (b) List out the different types of bulk-head state its' function ? **07**
Described water tight typical bulk head in brief with neat sketch ?
- OR**
- Q.3** (a) Described in brief with neat sketch :- the ship design spiral. **07**
- (b) Described in brief :- role of third party inspection agencies for ship building. **07**

Q.4 (a) List out the various types of welding defects seen in ship welding industries. State their causes and remedies. **07**

(b) State the types of bottom construction. State the needs / importance of double bottom construction.

OR

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

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

Q.5 (a) Described in brief with neat sketch :-
A lines plans and offset table for Iron Ship building. **07**

(b) Described the construction of ballast tank and their important in ship. **07**

OR

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

(b) Compare r-radiography and ultrasonic testing for ship. **07**
07
