

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

07

- (a) List out the various types of welding defects seen in ship welding industries. State their causes and remedies.
- (b) State the types of bottom construction. State the needs / importance of double bottom construction.

OR

Q.4

07

- (a) Described in brief with neat sketch :-
The ship hull block construction methods
- (b) Classify and List out the various types of drawing used in ship building ?

Q.5

07

- (a) Described in brief with neat sketch :-
A lines plans and offset table for Iron Ship building.
- (b) Described the construction of ballast tank and their important in ship.

OR

Q.5

07

- (a) Importance of Ship welding sequence.
- (b) Compare r-radiography and ultrasonic testing for ship.

07
