

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE SEM-VI Examination-Nov/Dec-2011

Subject code: 161804

Date: 28/11/2011

Subject Name: Marine Boiler

Time: 10.30 am -1.00 pm

Total marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Write a short note on La Mount Boiler with neat sketch. **07**
(b) Describe Safety Valves in brief. **07**
- Q.2** (a) Differentiate between Economizer & APH on the basis of their design & functions. **07**
(b) Explain various types of Smoke tube boilers in Marine use. **07**
- OR**
- (b) Explain various types of Atomizers. **07**
- Q.3** (a) What do you mean by Cochran Exhaust Gas & Composite Boiler? Explain. **07**
(b) Describe the main types of Marine boiler in brief. **07**
- OR**
- Q.3** (a) Write the comparison between smoke tube & water tube boilers. **07**
(b) Describe the various types of Destructive Testes used in Marine Engineering. **07**
- Q.4** (a) Make a neat sketch of Multi tubular cylindrical boiler. **07**
(b) Explain Automatic Feed Regulator. **07**
- OR**
- Q.4** (a) Enumerate the purpose of Refractory in brief. **07**
(b) Make a neat sketch of Double evaporation boiler. **07**
- Q.5** (a) Discuss the Procedure of Liquid fuel burning in open furnace. **07**
(b) Write a short note on Soot blowers. **07**
- OR**
- Q.5** (a) Discuss the Furnace arrangement for oil burning. **07**
(b) What do you mean by Scotch Composite Boiler? Explain. **07**
