

Student Exam No. _____

GANPAT UNIVERSITY

B. Tech.: VI Semester Marine Engineering

Regular Examination April – June 2016

2MR606 MARINE BOILERS

Time: 3 Hours

Total Marks: 70

Instruction: (1) Attempt all Questions.

(2) Assume suitable data if necessary.

(3) Figure to right indicates full Marks.

(4) Question: 3 in Section 1 and Question 6 in section 2 are compulsory

(5) Start new Questions on New Page.

Section - I

Q.1 Describe with the aid of sketches the basic design of water walls used in construction of water Tube boilers. 12

OR

Q.1 Describe the methods of tube attachment used in water tube boilers. 12

Q.2 Sketch and describe water level indicator suitable for boilers operating at low pressures 11

OR

Q.2 Sketch and describe a type of water level indicator suitable for use on high pressure water tube boilers. 11

Q.3 Sketch and describe an electrically operated low / high water level alarm and cut - out. 12

Section – II

Q.4 Sketch and describe any one type of Safety Valves used in Marine Boilers 12

OR

Q.4 Describe the process by which residual fuel oil is burnt in a boiler furnace. 12

Q.5 Sketch and describe an air register. 11

OR

Q.5 Sketch and describe any type of burner used in Marine Boiler Application 11

Q.6 Describe the process of raising steam from cold condition on ship coming out from Dry Dock 12

*****END OF PAPER*****