

maximize
Date: 25/11/2014.

Student Exam No. _____

GANPAT UNIVERSITY

B. Tech. Semester: III (Marine) Engineering

Regular Examination November – December 2014

2MR301 Workshop Technology

Time: 3 Hours

Total Marks: 70

- Instruction:** 1 Attempt all Questions.
2 Assume suitable data if necessary.
3 Figure to the right indicates full Marks.
4 Start new Question on New Page.

Section - I

- Que. – 1 (a) Explain spot welding operation. Where it is applied? 6
(b) Which types of electrode used in electric arc welding process? 6
OR
Que. – 1 (a) Describe about the vernier's scale and micrometer? 6
(b) Give different types of hammers and files. 6
Que. – 2 (a) Give the principle of jig and fixture? 6
(b) Describe various types of valves? 5
OR
Que. – 2 (a) Explain any five tools used in carpentry works? 6
(b) Explain different parts of center lathe? 5
Que. – 3 (a) Explain the capstan and turret lathes? 12

Section – II

- Que. – 4 (a) Explain different types of calipers. 6
(b) Different factory act regulation for safety purpose? 6
OR
Que. – 4 (a) Which types of defect are coming during welding operation? 6
(b) Which types of fluxes are used in soldering process? 6
Que. – 5 (a) Explain grinding, honing and lapping machining process? 6
(b) Explain broaching machine? 5
OR
Que. – 5 (a) Different types of cutting angle in chip formation. 6
(b) What is the difference between the A.C and D.C in arc welding process? 5
Que. – 6 (a) Explain the drilling and boring machine. 12

END OF PAPER