

GANPAT UNIVERSITY
B. TECH SEM- III (Marine) REGULAR EXAMINATION- NOV-DEC 2016
Work Shop Technology 2MR301
Practice-II

TIME: 3 HRS

TOTAL MARKS: 60

Instructions: (1) This Question paper has two sections. Attempt each section in separate answer book.
 (2) Figures on right indicate marks.
 (3) Be precise and to the point in answering the descriptive questions.

SECTION: I

Q.1 (a) Explain the single point cutting tool geometry in detail with neat sketch. (10)

OR

Q. 1 (a) Give the difference between up milling and down milling. (6)

(b) Explain any two types of cutting chips in detail with neat sketch. (4)

Q.2 (a) Enlist different types of taper turning methods and explain any one in detail. (10)

OR

Q.2 (a) Explain the basic working principal of Lapping and Grinding Process. (05)

(b) Explain the difference between shaper and planing machine in detail. (05)

Q.3 (a) Draw the Block Diagram of Lathe Machine and Explain its parts in detail. (10)

SECTION: II

Q.4 (a) Explain the different types of hammers and chisels. (6)

(b) Write brief explanatory notes on "limit system". (4)

OR

Q.4 (a) Explain different Five tools used in carpentry work with neat sketch. (10)

Q.5 (a) Which types of defects are generated during welding process explain in detail. (5)

(b) Explain the different types of flame generated during gas welding with neat sketch. (5)

OR

Q.5 (a) Describe the design considerations in design of valve and also explain any one valve in detail with neat sketch. (5)

(b) Explain gas welding process with neat sketch. (5)

Q.6 (a) Explain Vernier Scale with neat sketch and also calculate the least count for the same. (5)

(b) Different factory acts regulation for safety purpose. (5)