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B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

December 2023 Supplementary Examinations

Programme: B.E.

Semester: III

Branch: Mechanical Engineering

Duration: 3 hrs.

Course Code: 22ME3AECMD

Max Marks: 100

Course: Computer Aided Machine Drawing

Instructions: 1. Answer all questions.

2. Use first angle projection only.
3. Missing data if any may be suitably assumed.
4. All dimensions are in mm.
5. Important dimensions are to be shown in the assembly.
6. A suitable scale, if necessary, may be taken.

UNIT - I

1 A cone of base diameter 50 mm and axis length 60 mm is cut by a section plane such that it passes through a point on one of the end generators at a distance of 15 mm from its apex and parallel to the other end generator. Draw the sectional view and true shape of section. Name the True shape of section. 20

UNIT - II

2 The details of MACHINE VICE are shown in Fig (1). Assemble all the parts and construct the following views to 1: 1 scale. 60

(a) Front view in section.
(b) Top view. 20

Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.

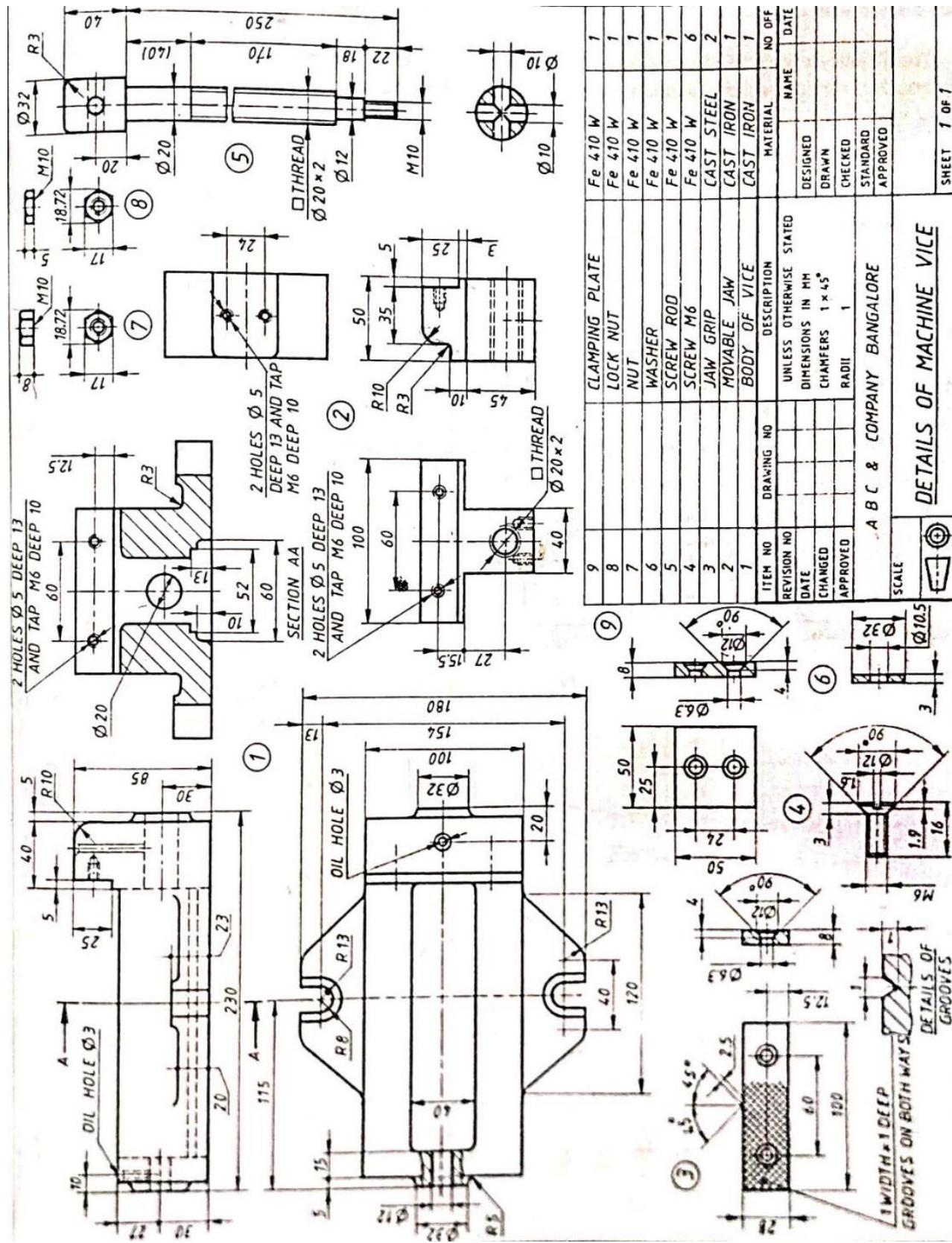


Fig (1). Details of Machine vice