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

Autonomous Institute Affiliated to VTU

May 2023 Semester End Main Examinations

Programme: B.E.

Branch: Mechanical Engineering

Course Code: 19ME3DCCMD

Course: Computer Aided Machine Drawing

Semester: III

Duration: 3 hrs.

Max Marks: 100

Date: 17.05.2023

Instructions: 1. Answer all questions.

2. Missing data, if any, may suitably be assumed.
3. Use first angle projection only.
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 The true shape of the section of a cube is a rhombus having diagonals of 60 mm and 50 mm. Draw the projections of the cube keeping it on the base using a suitable position. Determine the size of the cube and the inclination of the section plane with the HP. 20

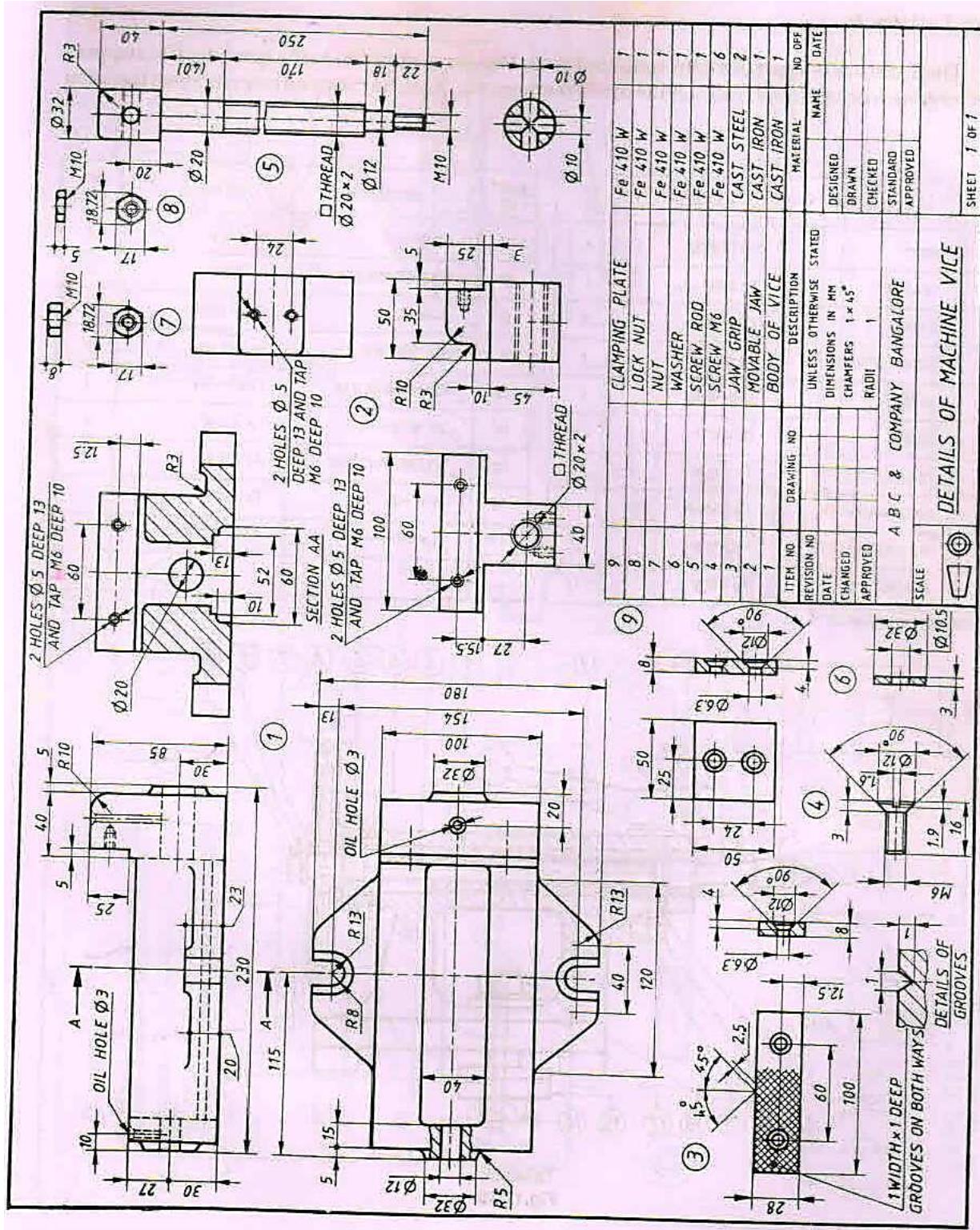
UNIT - II

2 The details of a Machine Vice are shown in Fig. 2. Draw the following views of the assembled vice to 1:1 scale.

- i. Front view in section
- ii. Top view

60
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.



Details of a Machine Vice

Fig 2
