

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

Autonomous Institute Affiliated to VTU

## September / October 2023 Supplementary Examinations

**Programme: B.E.**

**Branch: Mechanical Engineering**

**Course Code: 19ME3DCCMD**

**Course: Computer Aided Machine Drawing**

**Semester: III**

**Duration: 3 hrs.**

**Max Marks: 100**

**Instructions:** 1. Answer both the questions.  
2. Missing data, if any, may be suitably assumed.

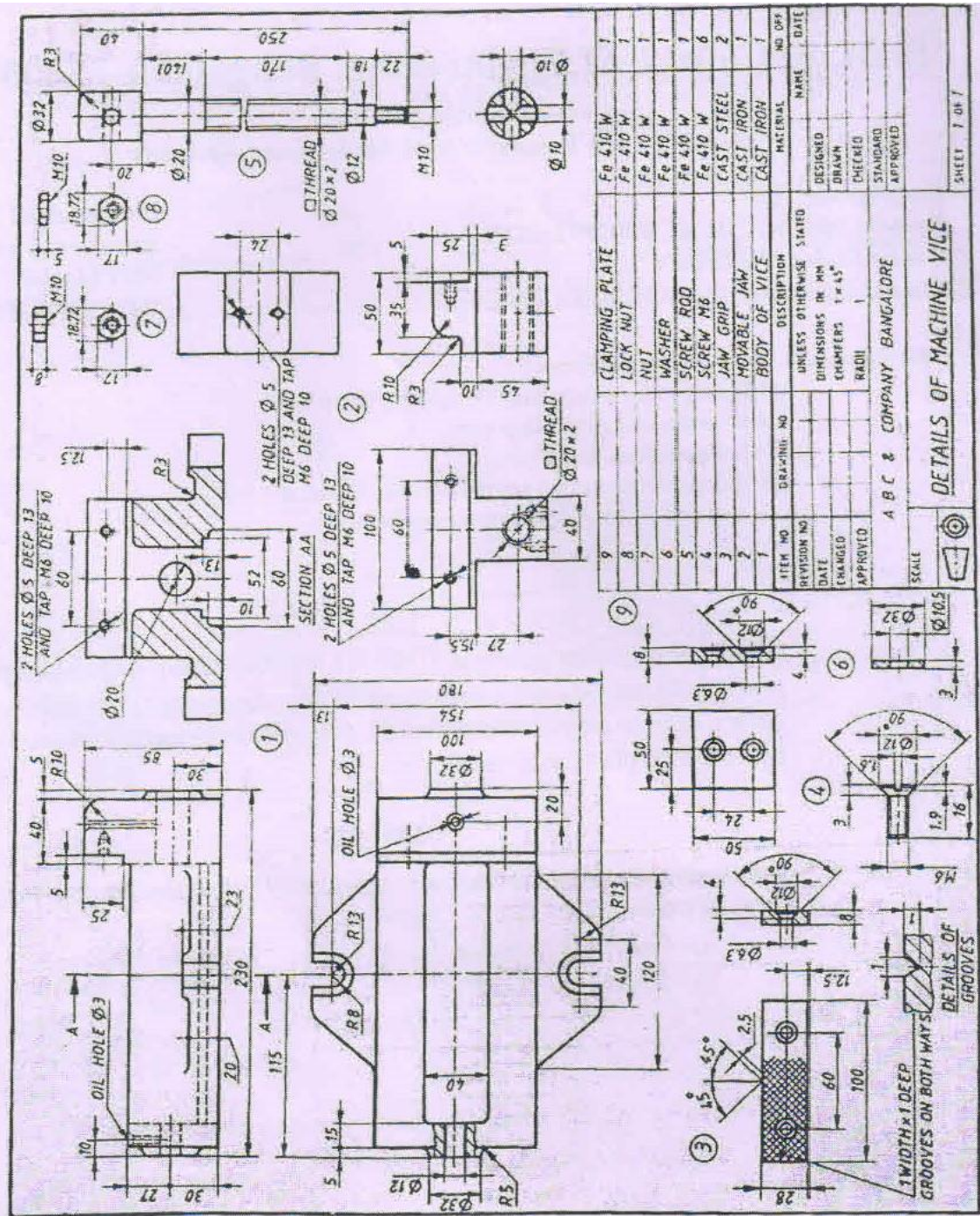
### UNIT - I

- 1 a) A square pyramid of 50 mm edges of base and height 70 mm rests on HP with one of its base edges parallel to VP. It is cut by an inclined section plane in such a way that the true shape of section is a trapezium whose parallel sides measure 40 mm and 20 mm. Draw the front view, sectional top view and the true shape of section. Find the inclination of section plane with HP. **20**

### UNIT - II

- 2 a) The details of a Machine Vice are shown in Fig. 2. Draw the following views of the assembled vice to 1:1 scale.
- a) Front view in section **60**
- 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.



Details of a Machine Vice