

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

Autonomous Institute Affiliated to VTU

August 2023 Semester End Make-Up Examinations

Programme: B.E.

Branch: Mechanical Engineering

Course Code: 22ME3AECMD

Course: Computer Aided Machine Drawing

Semester: III

Duration: 3 hrs.

Max Marks: 100

Date: 11.08.2023

- 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.

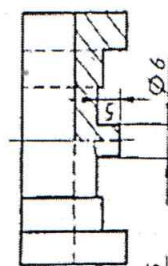
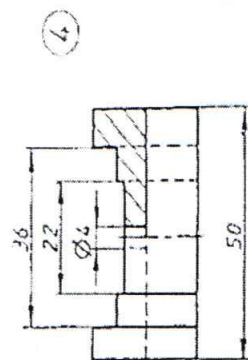
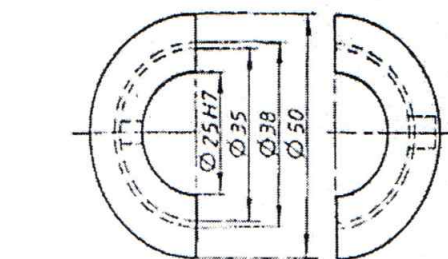
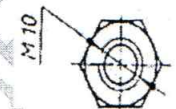
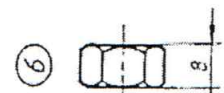
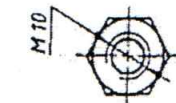
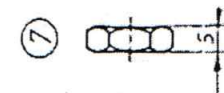
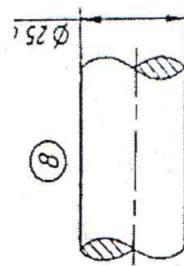
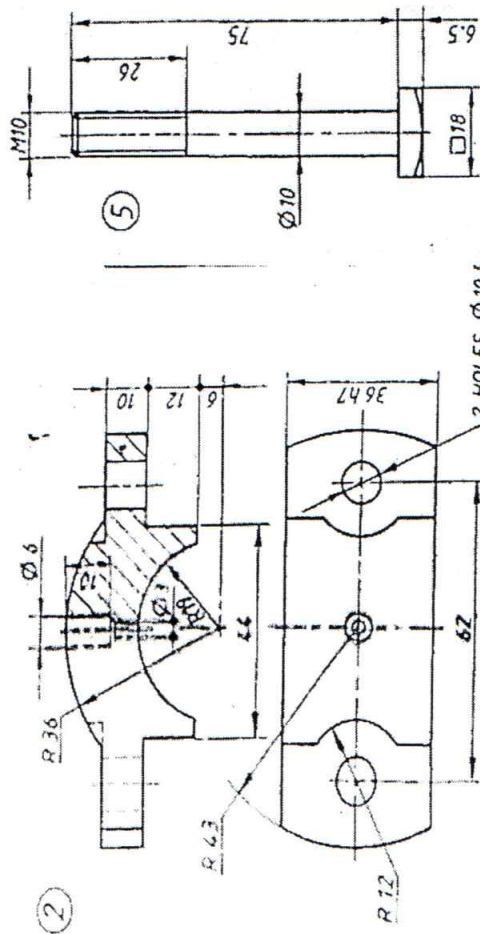
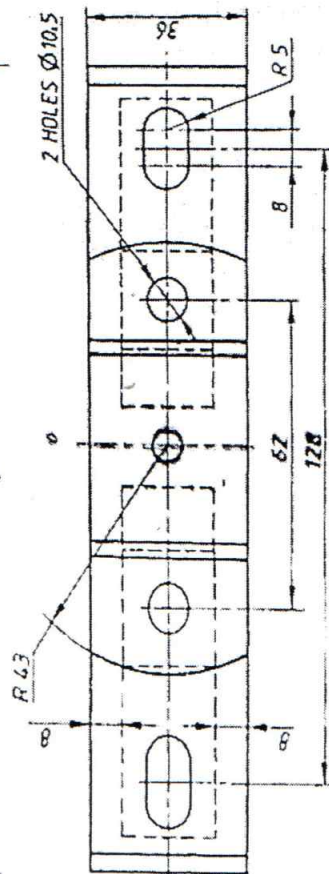
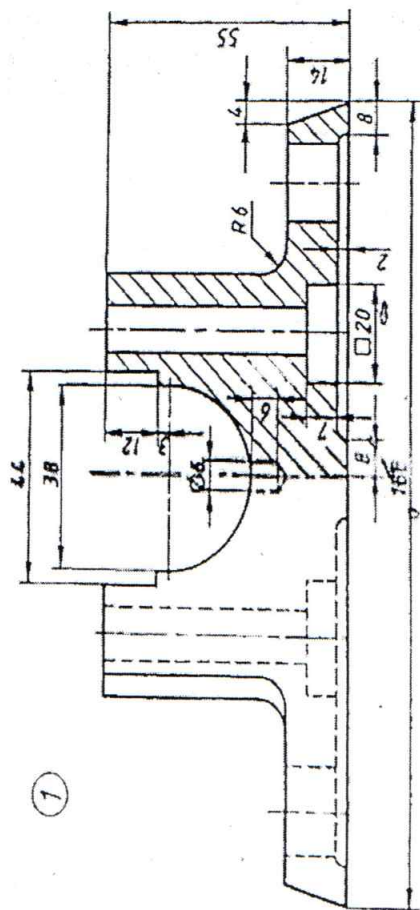
MODULE - I

- 1 A cone of 60 mm diameter of base and height 80 mm is resting with its base on HP. It is cut by two section planes both perpendicular to VP. One of the planes is parallel to the base and the other inclined at 30° to the base sloping downwards right towards the base. The two planes intersect the axis at a distance of 50 mm above the base. Draw the front view, sectional top view. Show the true shape of the sections together. 20

MODULE - III

- 2 Part drawings of a plummer block are given. Draft the following views of plummer block assembly to full scale. 80
- (a) Front view with left half in section
 - (b) Top view

The assembly drawings must be accompanied with parts list and ballooning.



ITEM NO	DRAWING NO	DESCRIPTION	MATERIAL	NO OFF
8		SHAFT	Fe 410 W	1
7		LOCK NUT M10	Fe 410 W	2
6		NUT M10	Fe 410 W	2
5		BOLT M10	Fe 410 W	2
4		BEARING TOP HALF	BRASS	1
3		BEARING BOTTOM HALF	BRASS	1
2		CAP	CAST IRON	1
1		BODY	CAST IRON	1