Iall Ticket Number:										

VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD B.E. (Mech. Engg. :CBCS) III-Semester Supplementary Examinations, June-2019

Machine Drawing

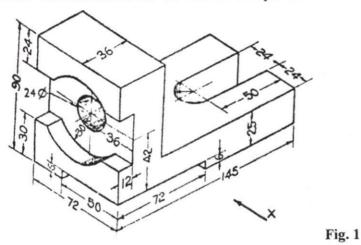
Time: 3 hours

Note: Answer ALL questions in Part-A and Part-B

Max. Marks: 60

Part-A $(10 \times 2 = 20 \text{ Marks})$

- 1. Distinguish between I angle and III angle projection with illustration of quadrants
- 2. List out important contents of drawing sheet
- 3. Explain with the help of simple sketches
 - i) Progressive dimensioning ii) Chain dimensioning
- 4. State different types of foundation bolts and sketch any one type of foundation bolt.
- 5. Sketch sectional front view and top view of single riveted lap joint for 9mm thick plates. Show all dimensions
- 6. Draw the sectional front view of the component shown in Fig. 1



- 7. Sketch a flanged coupling to join two shafts of diameter, D=25mm. indicate the proportions of hub, flange, key etc., in terms of D.
- 8. Sketch an isometric view of a gib-head key used on a shaft of diameter 'D'
- 9. Sketch a knuckle joint for connecting two 30mm diameter shafts and show all proportional dimensions.
- 10. Sketch flanged pipe joint

Part-B (40 Marks)

11. Assemble the parts of an eccentric shown in Fig.2 below and draw the Half-sectional front view with 40 upper half in section and right side view. Table1 below gives the details of the parts.

Part No	Name of the part	Quantity	Material	
1	Straps	1+1	C.I.	
2	Sheave	1	C.I.	
3	Shim	2	Brass	
4	Bolts with nuts	2	C-30	

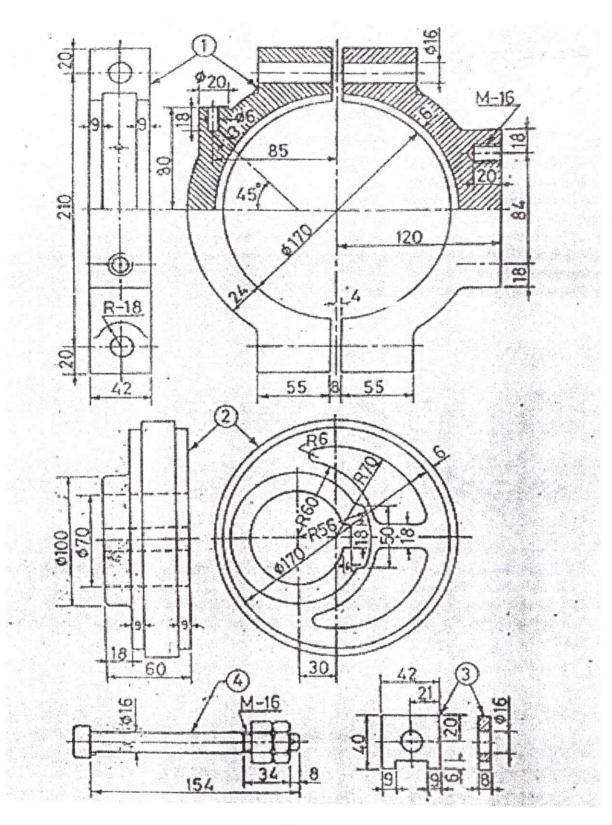


Fig.2