

Model Question Paper-1 with effect from 2019-20 (CBCS Scheme)

USN

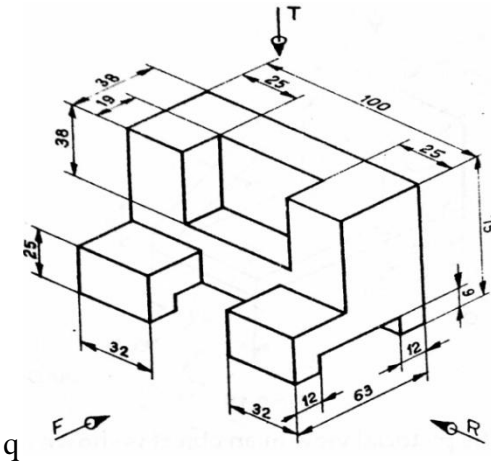
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Fourth Semester B.E. Degree Examination Computer Aided Machine Drawing

TIME: 03 Hours

Max. Marks: 100

- Note: 1. Answer any ONE question from each of the parts A, B and C.
 2. Use **FIRST ANGLE** projection only.
 3. Missing data, if any, may be suitably assumed and clearly stated.
 4. All calculations should be performed on the answer sheet supplied.
 5. All the dimensions are in mm.
 6. Drawing instruments may or may not be used for sketching.
 7. **Part C Assembled View should be in 3D and other 2 views in 2D.**

	PART A	*Bloom's Taxonomy Level	Marks
Q.01	<p>Using first angle projection, Draw the Orthographic Views of the object shown in fig.Q.(1) below.</p>  <p>Fig.Q.(1)</p>	L II	20
	OR		
Q.02	<p>Draw the three views of ISO threaded hexagonal bolt 100mm long, 20mm diameter with a thread length of 50mm. Hexagonal bolt and nut assembly is with the axis in horizontal position. Indicate all the proportions and the actual dimensions.</p>	L V	20
	PART B		
Q. 03	<p>Draw the Sectional front view and side view of a Knuckle joint used to join two circular shafts of diameter 20 mm.</p>	L V	30
	OR		
Q.04	<p>Draw the Sectional front view and side view of Universal Coupling to connect two shafts of diameter 20 mm, indicating all the dimensions.</p>	L V	30

PART C

Q. 05

Figure Q.(5) shows the details of a Screw Jack. Assemble all the parts and draw the following views.

- Half sectional front view showing the right half in section.
- Top view.

L VI

50

OR

Q. 06

Figure Q.(6) shows the details of a Machine Vice. Assemble the parts and draw the following views.

- Half sectional front view showing fixed jaw in section.
- Top view.
- Left side view.

L VI

50

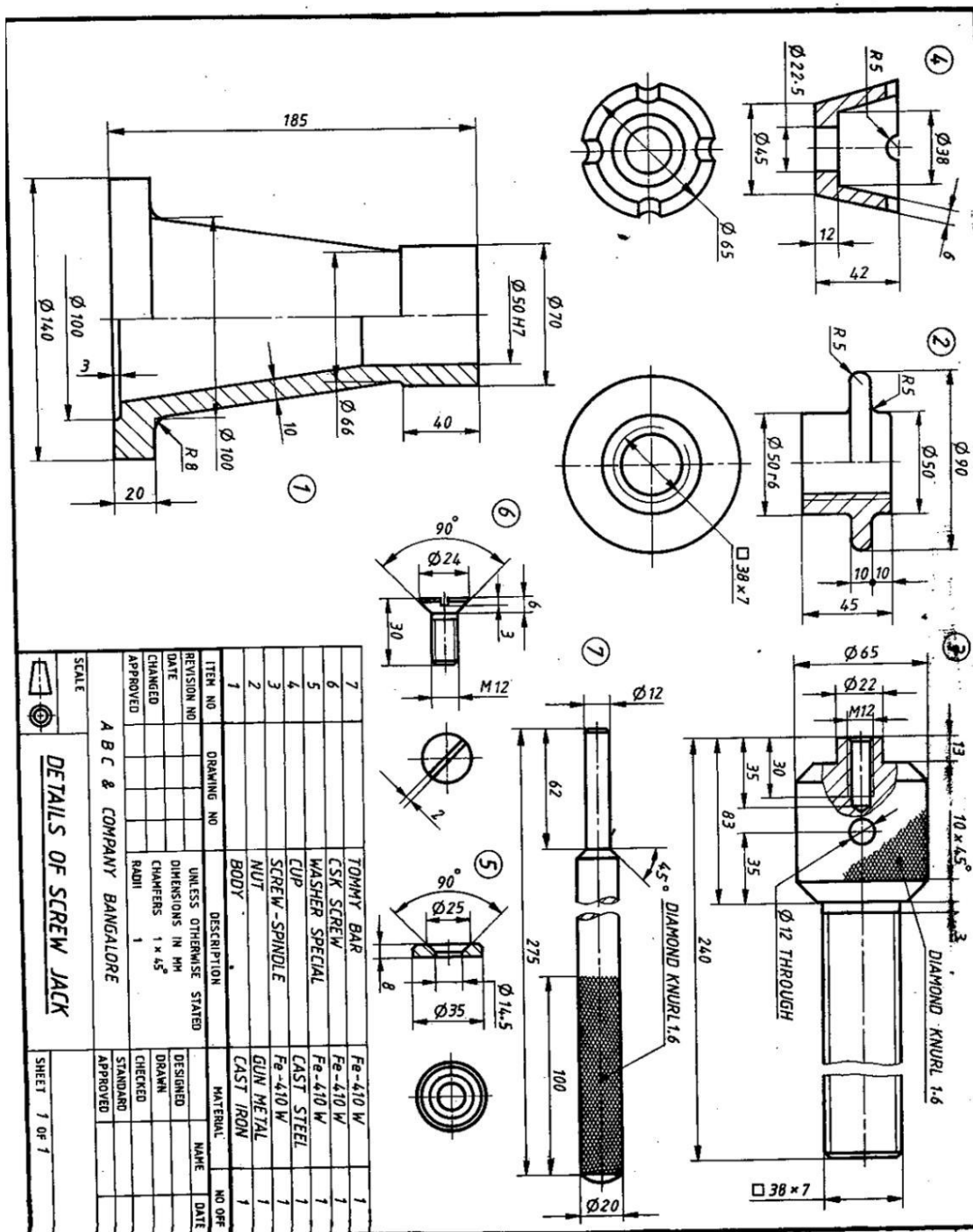


Fig.Q.(5): Details of Screw Jack

