U.S.N.										

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

Autonomous Institute Affiliated to VTU

April 2024 Semester End Main Examinations

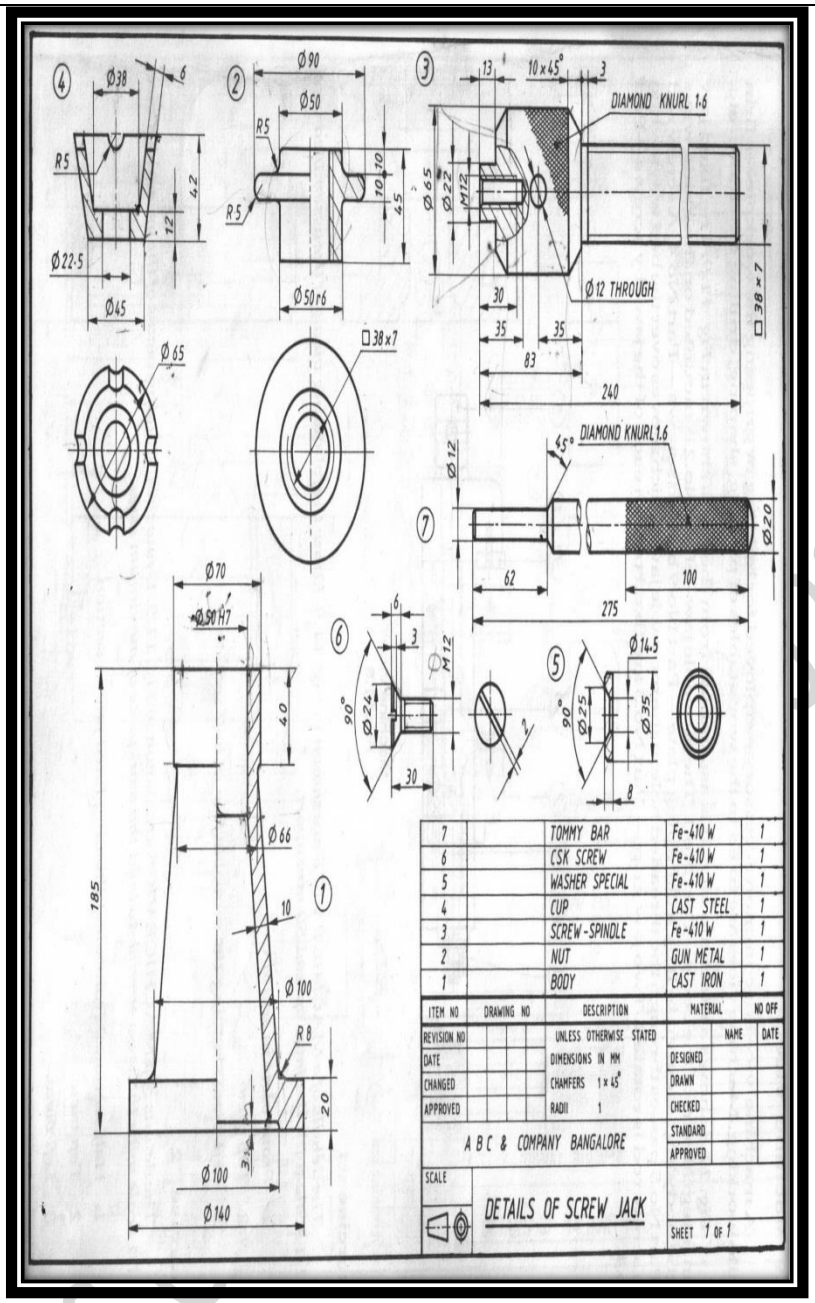
Programme: B.E. **Semester: III**
Branch: Industrial Engineering and Management **Duration: 3 hrs.**
Course Code: 23IM3PCCMD **Max Marks: 100**
Course: Computer Aided Machine Drawing

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

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.

		UNIT-I	*CO*	*PO*	Marks
1		A cube of 30mm edges rests with one of its square faces on HP such that one of its vertical square faces is inclined at 30º to VP. A section plane perpendicular to VP and inclined at 60º to HP passes through a point on the vertical axis 5 mm below its top end. Draw its sectional top view, front view and true shape of section.	*CO1* *CO2*	*PO2* *PO3* *PO5*	**20**
		UNIT-V			
2		Draw to 1:2 scale the top and sectional front views of double riveted lap joint with Zig-zag riveting. The thickness of plates is 9mm. Show at least three rivets in each row. Indicate all dimensions. Use snap head rivets**.**	*CO1* *CO2*	*PO2* *PO3* *PO5*	**20**
		UNIT-V			
3		Details of parts of a screw Jack are given below. Assemble the parts and draw the Right Half Sectional Front View, Top View. Show the main dimensions.	*CO1* *CO2*	*PO2* *PO3* *PO5* *PO12*	**60**

B.M.S.C.E. - ODD SEM 2023-24


DIAMOND KNURL 1.6
Ø 12 THROUGH
DIAMOND KNURL 1.6
TOMMY BAR Fe-410 W 1
CSK SCREW Fe-410 W 1
WASHER SPECIAL Fe-410 W 1
CUP CAST STEEL 1
SCREW-SPINDLE Fe-410 W 1
NUT GUN METAL 1
BODY CAST IRON 1
ITEM NO DRAWING NO DESCRIPTION MATERIAL NO OFF
UNLESS OTHERWISE STATED
DIMENSIONS IN MM
CHAMFERS 1 x 45°
RADII 1
A B C & COMPANY BANGALORE
DESIGNED
DRAWN
CHECKED
STANDARD
APPROVED
SCALE
DETAILS OF SCREW JACK
SHEET 1 OF 1

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