

SHRI MATA VAISHNO DEVI UNIVERSITY, KATRA
B. Tech. (ME) Second Semester Examination (Even) 2017-18

Entry No:
Date:

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Total Number of Pages: [01]
Total Number of Questions: [03]

Course Name: Machine Drawing
Course Code: MEL 1112

Time Allowed: 01 Hours

Max Marks: [20]

Q1.	Draw a view of a 'Flanged pipe joint' for a pipe of 100 mm diameter and having four bolts securing the flanges together. Give all important proportional dimensions.	[07]
Q2.	Draw front view (left half in section) of plumber block with bill of materials.	[07]
Q3.	Sketch a union joint. Give all important proportional dimensions.	[06]

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Department of Mechanical Engineering
Minor-1

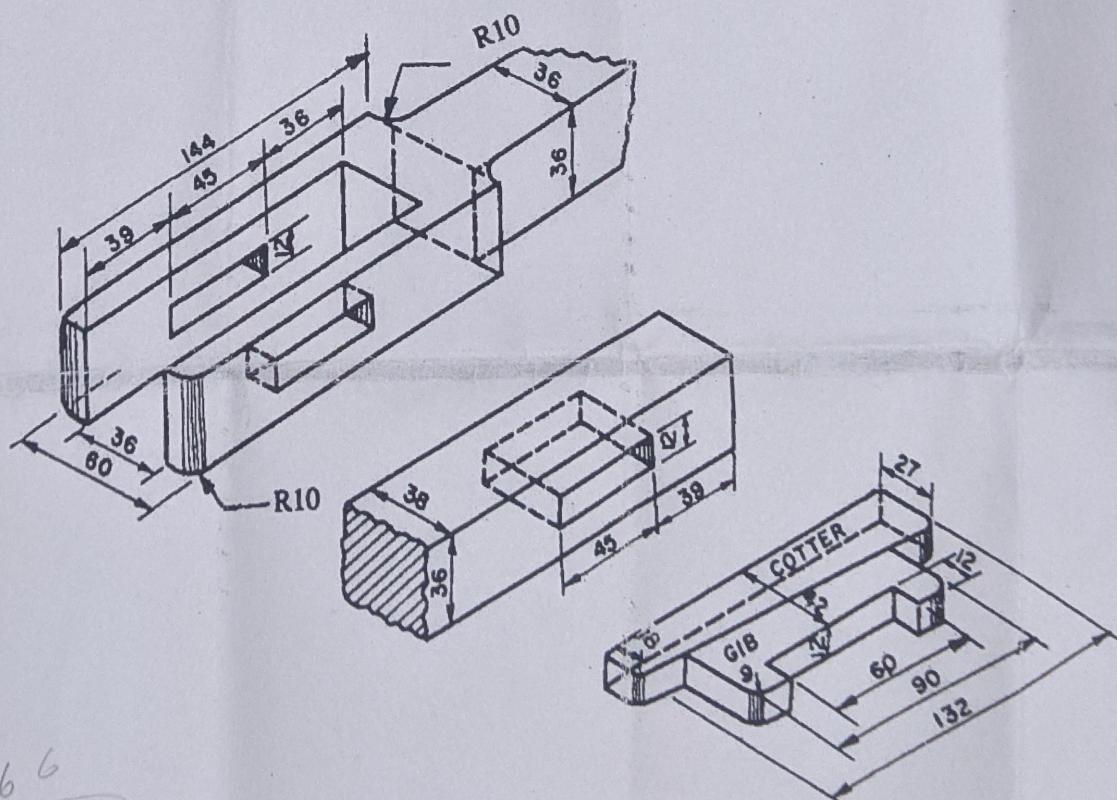
Course : Machine Drawing
Course Code : MEL 1013

Sem: 2nd

Time : 1 Hr
Max. Marks : 20

Q 1. Given figure shows pictorially the details of a gib and cotter joint. Draw to full size scale following views of the joint with the parts assembled in their working position:-

- (a) Upper half sectional Front view (10)
(b) Top view (05)
(c) Side view (05)



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Minor-II

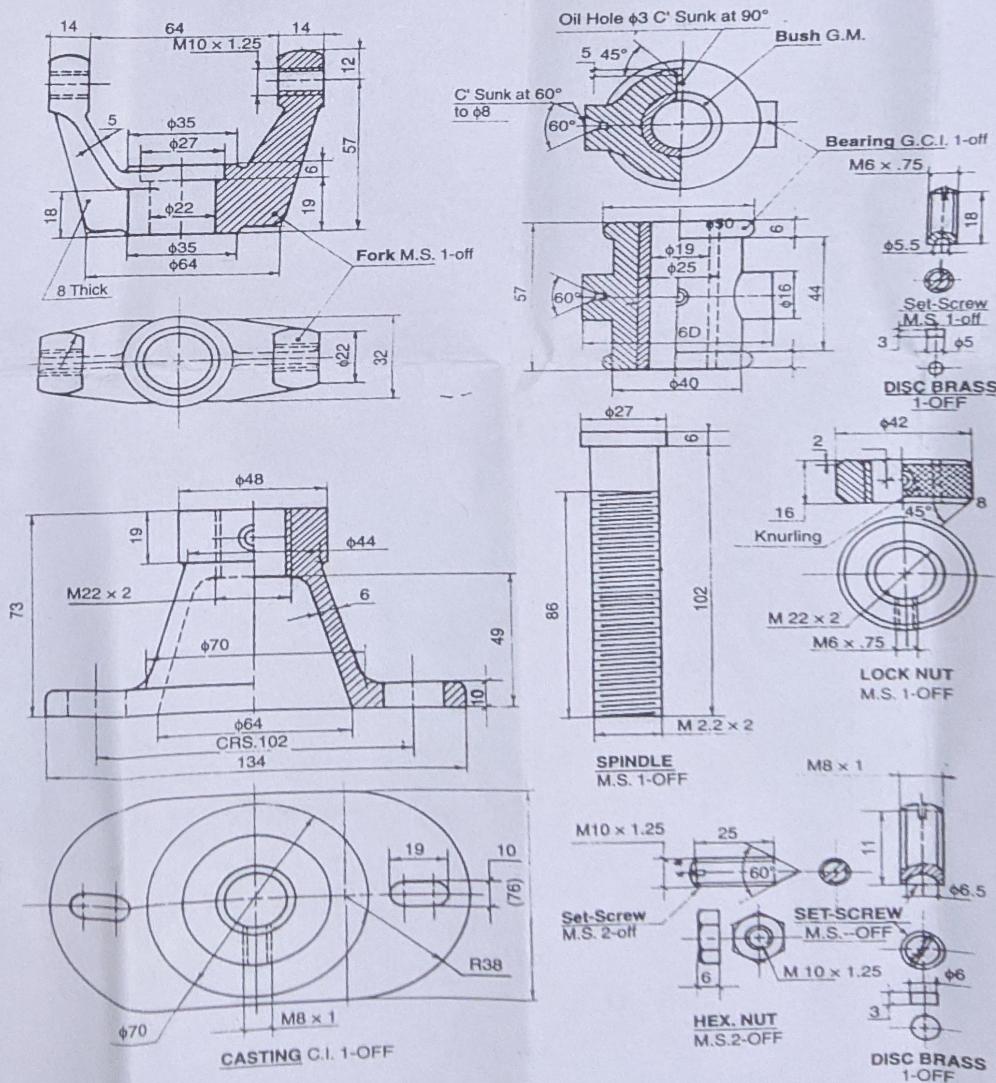
Course : Machine Drawing
 Course Code : MEL 1013

Sem: 2nd

Time : 1 Hr
 Max. Marks : 20

Q 1. Given figure shows the details of various components of a swivel bearing. Draw to full size scale following views of the bearing with the parts assembled in their working position:-

- (a) Front view (10)
 (b) Side view (10)

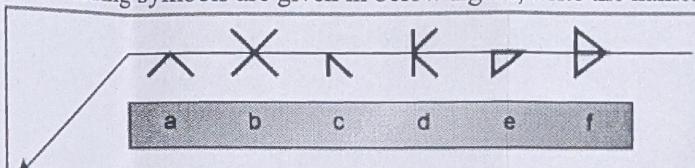


**SHRI MATA VAISHNO DEVI UNIVERSITY
DEPARTMENT OF MECHANICAL ENGINEERING
Major Examination (May, 2017)
B.Tech. 2nd Sem.**

Course : Machine Drawing
Course Code : MEL 1013
Note : All Questions are compulsory

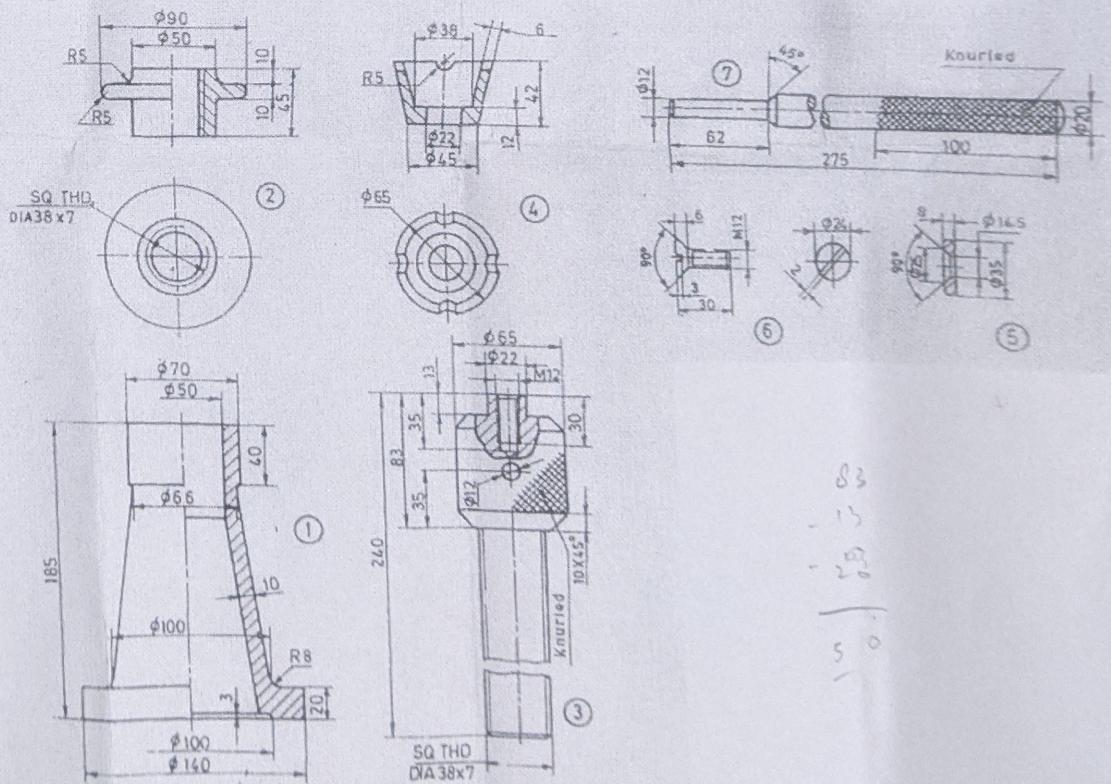
Time : 2.5 Hrs
Max. Marks : 50

- Q 1.** (a) Differentiate between First Angle and third Angle projection with their symbols. (4)
 (b) Differentiate between protected and unprotected type Flange coupling. (3)
 (c) Six welding symbols are given in below figure, write the names for the same.



(3)

- Q 2.** The details of Screw Jack are given in below figure. Draw the following assembled views:
 (i) Half sectional front view
 (ii) Side view (20)



- Q 3.** Draw the free hand drawing of Gib and Cotter joint, use standard proportions. (10)

Q 4. Draw the free hand drawing of Steam Stop Valve, use standard proportions. (10)