

TML024/EE/20070818

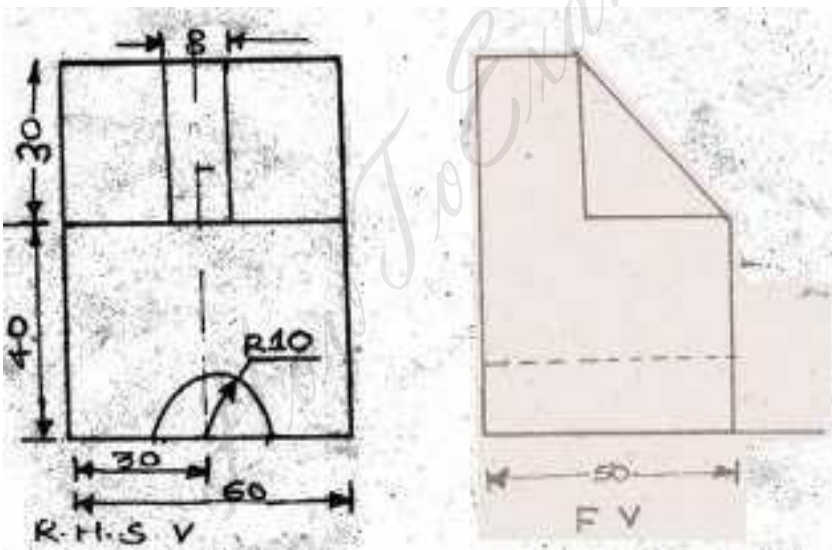
Machine Drawing

Time : 180 minutes

Marks : 100

Instructions for the students :

1. All questions are compulsory.
2. "Long Answer type Question (LAQ)" is a supply type question of 20 marks, which require typical answer of about 60-80 lines in about 32-40 minutes.
3. "Short Answer type Question (SAQ)" is a supply type question of 5 marks, which require typical answer of about 15-20 lines in about 08-10 minutes.
4. Use of non-programmable type of scientific calculator is allowed.
5. Draw neat diagrams wherever necessary.
6. Assume suitable data if necessary.

Q. No.	Question (Q)	Question Marks
	Long Answer type Questions (LAQ's)	
1.	<p>Front view and right hand side view of an object are given in figure. By first angle method of projection draw top view.</p>  <p style="text-align: center;">Fig : 1 (Figure not to scale) All dimensions are in mm.</p>	20
2.	Enlist the different types of nuts (forms) used in engineering practice. Explain five with a neat sketch.	20
3.	Differentiate between riveted joints and welded joints. Enlist the different type of welded joints.	20
4	What are the different types of machine drawing ? Explain production drawing in detail.	20

Q. No.	Question (Q)	Question Marks
	Short Answer type Questions (SAQ's)	
5.	Differentiate between 'V' thread and square thread.	5
6.	What is the function of safety valve ?	5
7.	Explain the different terms related to spur gear (Spur gear terminology).	5
8.	How to represent surface roughness on drawing ?	5

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