

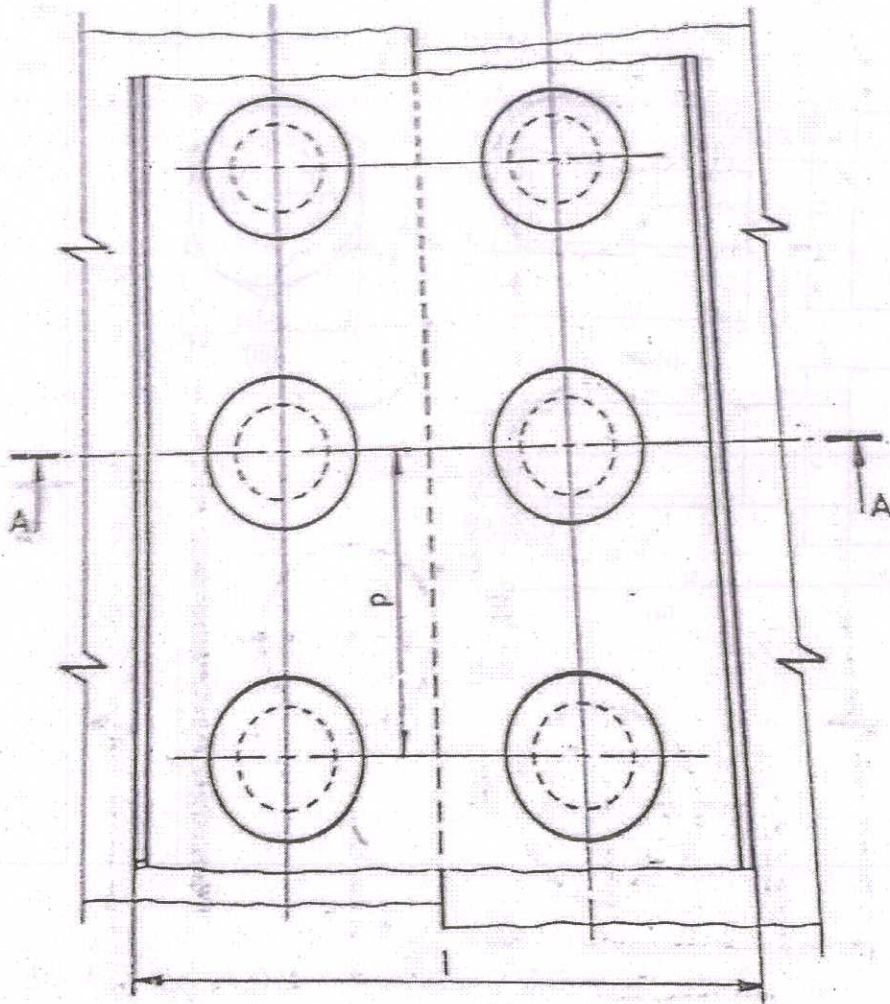
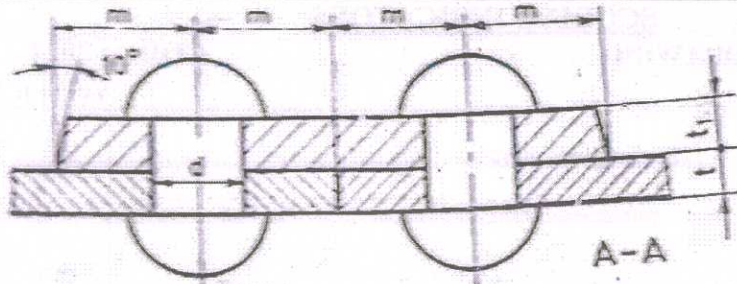
SCORING INDICATORS

COURSE: MACHINE DRAWING

CODE : 3024

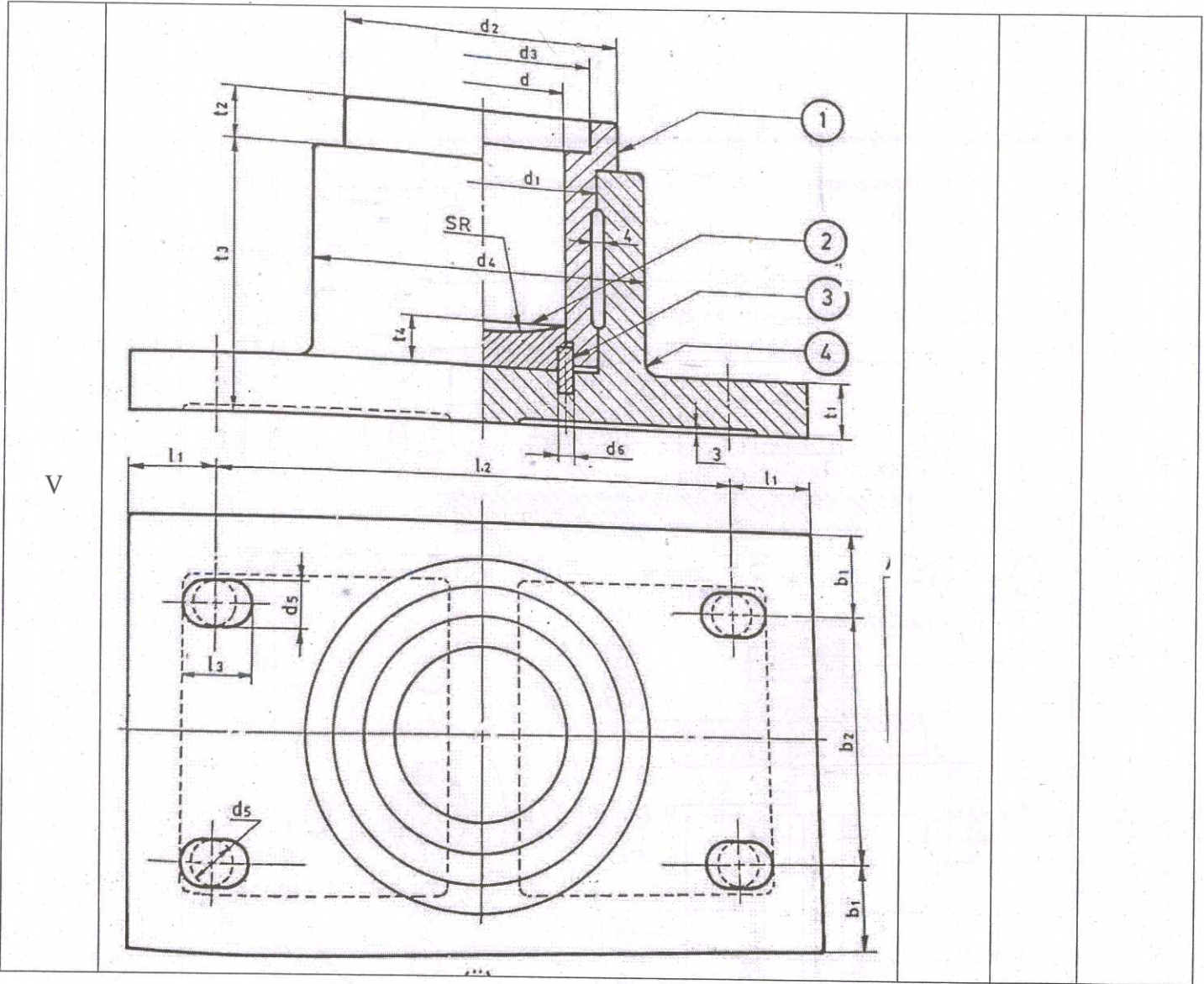
Version: 2015

Qn No	Scoring Indicators	Split Score	Sub total	Total Score
I	<p>(i)</p> <p>(ii)</p> <p>(iii)</p>			

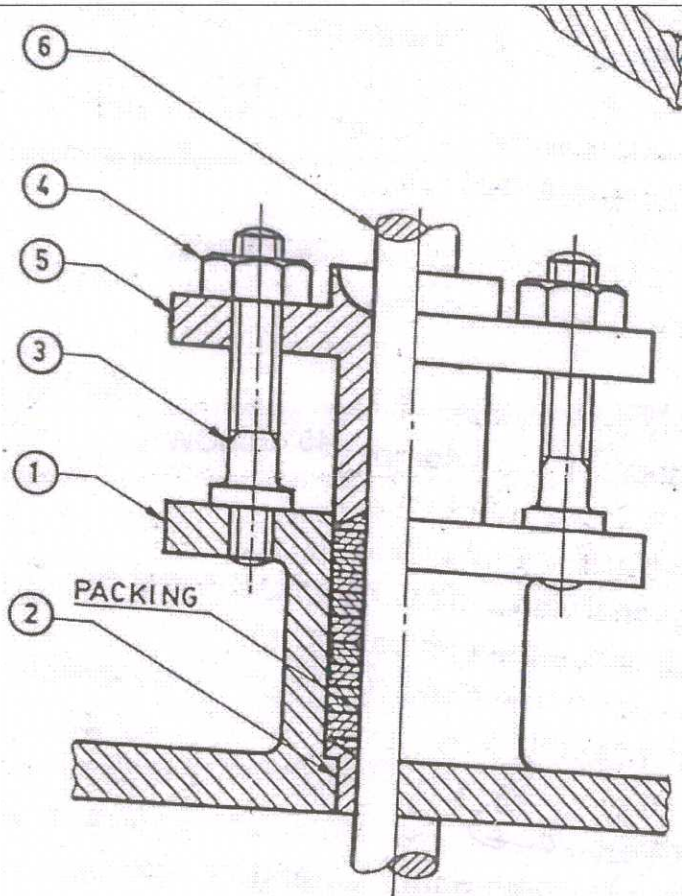


$$t = 10, d = 20, m = 1.5d, P = 3d, t_1 = 1.125t$$

<p>III</p>	<p>Technical drawing of a shaft-hub assembly. The top view is a longitudinal section showing a shaft with a diameter d and a hub with an inner diameter d_1 and outer diameter d_2. The shaft has a length l_1 and the hub has a length l_2. The assembly is shown with dimensions b, l_3, c, and t. A chamfered end of the shaft is shown with a $1:24$ taper. A callout (3) points to the top surface of the hub, (2) to the shaft-hub interface, and (1) to the shaft. A second view (ii) shows a partial longitudinal section of the assembly.</p>			
<p>IV.</p>	<p>Technical drawing of a shaft-hub assembly. The left view is a longitudinal section showing a shaft with a diameter d_1 and a hub with an inner diameter d_2 and outer diameter d_3. The shaft has a length l_1 and the hub has a length l_2. The assembly is shown with dimensions c, d_4, d_5, l_3, and l_4. Two taper keys are shown, labeled "TAPER KEY". Callouts (2), (3), (4), (5), (6), and (7) point to various parts of the assembly. A chamfered end of the shaft is shown with a $1:24$ taper. The right view (ii) is a top view of the hub, showing a circular shape with four holes and a central hole.</p>	<p>2</p>	<p>2</p>	<p>2</p>

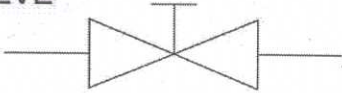
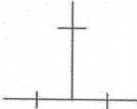
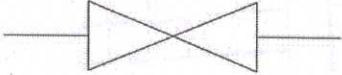
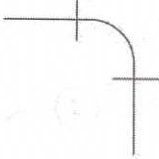



VI



VII

No	Designation	Weld	Symbol	No	Designation	Weld	Symbol
1	Weld in plates with raised edges			6	Single-J butt weld		
2	Square butt weld			9	Backing run		
3	Single V-butt weld			10	Fillet weld		
4	Single-bevel butt weld			11	Plug weld		
5	Single-V butt weld with broad root face			12	Spot weld		
6	Single-bevel butt weld with broad root face			13	Seam weld		
7	Single-U butt weld (parallel or sloping sides)						

VIII	GATE VALVE		TEE			
	GLOBE VALVE		90° ELBOW			
	CHECK VALVE		45° ELBOW	