

Part A : Determination of geometrical parameters of a helical spring

Tasks	Description	Marks																																	
A1	Number of attached pattern marking sheet(s) for Part A: _____ with label(s) : P____																																		
A2	<p style="text-align: center;">Table A1: Observations from pattern P_____</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Obs. No.</th> <th style="width: 40%;"></th> <th style="width: 50%;"></th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td></td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td><td></td></tr> <tr><td style="text-align: center;">4</td><td></td><td></td></tr> <tr><td style="text-align: center;">5</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </tbody> </table>	Obs. No.			1			2			3			4			5																		
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A3	<p>Graph A1 for determination of a_1: _____ versus _____</p> <p>Slope of the graph A1 =</p> <p>Calculation of a_1:</p> <p>$a_1 =$</p>																																		

	Table A2: Observations from pattern P_____	Marks																																										
A4	<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">Obs. No.</th> <th style="width: 50px;"></th> <th style="width: 50px;"></th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td></td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td><td></td></tr> <tr><td style="text-align: center;">4</td><td></td><td></td></tr> <tr><td style="text-align: center;">5</td><td></td><td></td></tr> <tr><td style="text-align: center;">6</td><td></td><td></td></tr> <tr><td style="text-align: center;">7</td><td></td><td></td></tr> <tr><td style="text-align: center;">8</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </tbody> </table>	Obs. No.			1			2			3			4			5			6			7			8																		
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A5	<p>Graph A2 for determination of d_1: _____ versus _____</p> <p>Slope of the graph A2 =</p> <p>Calculation of d_1:</p> <p>$d_1 =$</p>																																											
A6	<p>$\alpha_1 =$</p>																																											

