



	machine types. [At 5% of significance the tabulated values are $F_{0.05}(4,12) = 3.26$ and $F_{0.05}(3,12) = 3.49$ ].														
Q3	<p>a. In a laboratory experiment two samples gave the following results.</p> <table border="1"> <thead> <tr> <th>Sample</th><th>Size</th><th>Mean</th><th>Sum of Square deviation from mean</th></tr> </thead> <tbody> <tr> <td>1</td><td>10</td><td>15</td><td>90</td></tr> <tr> <td>2</td><td>13</td><td>14</td><td>108</td></tr> </tbody> </table> <p>Test equality of sample variance at 5% level of significance. [Tabulated value is 3.44]</p> <p>b. In a frequency distribution the coefficient of skewness based on quartile is 0.6. If the sum of upper and lower quartile is 100 and median is 38. Find the value of upper quartile.</p>	Sample	Size	Mean	Sum of Square deviation from mean	1	10	15	90	2	13	14	108	CO1	[4]  [3]
Sample	Size	Mean	Sum of Square deviation from mean												
1	10	15	90												
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Q4	How does t-SNE work, and why is it useful for visualizing high-dimensional data?	CO3	[3]												