<table>
<tr><th>Set 1: Question No 1</th><th>Set 1: Question No 2</th><th>Set 1: Question No 3</th></tr>
<tr>
<td>Find the range of the following data :
2, 3, 1, 6, 10, 17, 20, 24, 31</td>
<td>Find the range of the following distribution:
<table><tr><td>x_i</td><td>10</td><td>20</td><td>30</td><td>40</td><td>50</td></tr><tr><td>f_i</td><td>7</td><td>5</td><td>3</td><td>2</td><td>1</td></tr></table></td>
<td>Calculate the range and coefficient of range of the following data:
<table><tr><th>Marks</th><th>No. of Students</th></tr><tr><td>10-20</td><td>5</td></tr><tr><td>20-30</td><td>10</td></tr><tr><td>30-40</td><td>12</td></tr><tr><td>40-50</td><td>25</td></tr><tr><td>50-60</td><td>8</td></tr><tr><td>60-70</td><td>10</td></tr></table></td>
</tr>
<tr><td>Recall/ Remembering</td><td>Understanding</td><td>Application</td></tr>
<tr><td>a) 30</td><td>a) 60</td><td>a) 10, 0.5</td></tr>
<tr><td>b) 32</td><td>b) 40</td><td>b) 40, 0.65</td></tr>
<tr><td>c) 29</td><td>c) 30</td><td>c) 80, 0.9</td></tr>
<tr><td>d) 7</td><td>d) 42</td><td>d) 60, 0.75</td></tr>
<tr><td>Ans: <a></td><td>Ans: <b></td><td>Ans: <d></td></tr>
</table>

<table>
<tr><th>Set 2: Question No 1</th><th>Set 2: Question No 2</th><th>Set 2: Question No 3</th></tr>
<tr><td>Find the range and coefficient of range of the following data:
45, 42, 39, 40, 48, 41, 45, 44</td><td>Find the range and coefficient of range for the following data:
<table><tr><th>Marks</th><th>No. Of Students</th></tr><tr><td>10-19</td><td>6</td></tr><tr><td>20-29</td><td>10</td></tr><tr><td>30-39</td><td>16</td></tr><tr><td>40-49</td><td>14</td></tr><tr><td>50-59</td><td>8</td></tr><tr><td>60-69</td><td>4</td></tr></table></td><td>Find the range and coefficient of range of the following data:
<table><tr><th>Weight in Kg</th><th>No. Of Students</th></tr><tr><td>60-62</td><td>5</td></tr><tr><td>63-65</td><td>18</td></tr><tr><td>66-68</td><td>42</td></tr><tr><td>69-71</td><td>27</td></tr><tr><td>72-74</td><td>8</td></tr></table></td></tr>
<tr><td>Recall/ Remembering</td><td>Understanding</td><td>Application</td></tr>
<tr><td>a) 10,0.105</td><td>a) 60, 0.759</td><td>a) 14, 0.104</td></tr>
<tr><td>b) 8, 0.09</td><td>b) 40, 0.251</td><td>b) 15, 0.112</td></tr>
<tr><td>c) 9, 0.103</td><td>c) 59, 0.746</td><td>c) 12, 0.09</td></tr>
<tr><td>d) 9,0.5</td><td>d) 50, 0.714</td><td>d) 10, 0.076</td></tr>
<tr><td>Ans: <c ></td><td>Ans: <a></td><td>Ans: <b></td></tr>
</table>

<table>
<tr><th>Q 1</th><th>Q 2</th><th>Q 3</th><th>Q 4</th><th>Q 5</th></tr>
<tr>
<td>Find the range and coefficient of range of the following data:
5, 25, 65, 55, 35, 45, 15</td>
<td>Find the range and coefficient of range for the following:
<table><tr><th>C.I.</th><th>f_i</th></tr><tr><td>0-5</td><td>2</td></tr><tr><td>5-10</td><td>5</td></tr><tr><td>10-15</td><td>12</td></tr><tr><td>15-20</td><td>20</td></tr><tr><td>20-25</td><td>11</td></tr><tr><td>25-30</td><td>10</td></tr></table></td>
<td>Find the range and coefficient of range of:
<table><tr><th>Tempera ture</th><th>No.of days</th></tr><tr><td>25-26</td><td>2</td></tr><tr><td>27-28</td><td>11</td></tr><tr><td>29-30</td><td>12</td></tr><tr><td>31-32</td><td>10</td></tr><tr><td>33-34</td><td>4</td></tr><tr><td>35-36</td><td>1</td></tr></table></td>
<td>Calculate the range and coefficient of range of the following distribution:
<table><tr><th>x_i</th><th>f_i</th></tr><tr><td>3</td><td>4</td></tr><tr><td>4</td><td>9</td></tr><tr><td>5</td><td>10</td></tr><tr><td>6</td><td>8</td></tr><tr><td>7</td><td>6</td></tr></table></td>
<td>Find the range and coefficient of range for the following:
<table><tr><th>Marks</th><th>No. Of students</th></tr><tr><td>21-25</td><td>4</td></tr><tr><td>26-30</td><td>16</td></tr><tr><td>31-35</td><td>38</td></tr><tr><td>36-40</td><td>12</td></tr><tr><td>41-45</td><td>10</td></tr></table></td>
</tr>
<tr><td>Recall/ Remembering</td><td>Understanding</td><td>Application</td><td>Understanding</td><td>Application</td></tr>
<tr><td>a) 50, 0.833</td><td>a) 30, 1</td><td>a) 11, 0.180</td><td>a) 4, 0.4</td><td>a) 24, 0.364</td></tr>
<tr><td>b) 70, 0.875</td><td>b) 25, 0.7</td><td>b) 10, 0.161</td><td>b) 10, 2.5</td><td>b) 25, 0.379</td></tr>
<tr><td>c) 60,0.857</td><td>c) 20, 0.67</td><td>c) 9, 0.18</td><td>c) 3, 0.45</td><td>c) 20, 0.286</td></tr>
<tr><td>d) 30, 0.5</td><td>d) 35, 0.91</td><td>d) 12, 0.197</td><td>d) 9, 2.1</td><td>d) 16, 0.123</td></tr>
<tr><td>Ans: <c ></td><td>Ans: <a></td><td>Ans: <d></td><td>Ans: <a></td><td>Ans:<b></td></tr>
</table>

Set 1: Question No 1	Set 1: Question No 2	Set 1: Question No 3
Mean deviation about mean for raw data is?	Mean deviation about mean for ungrouped data is?	For grouped data M. D. = $\frac{\sum f_i \lvert d_i \rvert}{N}$, where $\lvert d_i \rvert$ is
Recall/ Remembering	Understanding	Application
a) $\frac{\Sigma \lvert d_i \rvert}{N}$	a) $\sqrt{\frac{\Sigma d_i^2}{N}}$	a) $\lvert \bar{x} - x_i \rvert$
b) $\frac{\Sigma f_i \lvert d_i \rvert}{N}$	b) $\frac{\Sigma \lvert d_i \rvert}{N}$	b) $\lvert x_i - \bar{x} \rvert$
c) $\sqrt{\frac{\Sigma d_i^2}{N}}$	c) $\frac{\Sigma f_i \lvert d_i \rvert}{N}$	c) $\left(x_i - \bar{x}\right)^2$
d) $\sqrt{\frac{\Sigma f_i d_i^2}{N}}$	d) $\sqrt{\frac{\Sigma f_i d_i^2}{N}}$	d) $\left(\bar{x} - x_i\right)^2$
Ans: <a>	Ans: <c>	Ans: <b>

Set 2: Question No 1	Set 2: Question No 2	Set 2: Question No 3
Standard deviation for raw data is?	Standard deviation for ungrouped data is?	For grouped data, S.D.=
Recall/ Remembering	Understanding	Application
a) $\sqrt{\frac{\sum f_i d_i^2}{N}}$	a) $\frac{\sum f_i \lvert d_i \rvert}{N}$	a) $\sqrt{\frac{\sum f_i d_i^2}{N}}$
b) $\sqrt{\frac{\sum d_i^2}{N}}$	b) $\frac{\sum \lvert d_i \rvert}{N}$	b) $\frac{\sum \lvert d_i \rvert}{N}$
c) $\frac{\sum f_i \lvert d_i \rvert}{N}$	c) $\sqrt{\frac{\sum d_i^2}{N}}$	c) $\frac{\sum f_i \lvert d_i \rvert}{N}$
d) $\frac{\sum \lvert d_i \rvert}{N}$	d) $\sqrt{\frac{\sum f_i d_i^2}{N}}$	d) $\sqrt{\frac{\sum d_i^2}{N}}$
Ans: <b>	Ans: <d>	Ans: <a>

<table>
<tr><th>Q 1</th><th>Q 2</th><th>Q 3</th><th>Q 4</th><th>Q 5</th></tr>
<tr>
<td>Calculate the mean deviation of the following data:
3, 6, 5, 7, 10, 12, 15, 18</td>
<td>Calculate the mean deviation about the mean of the following distribution:
<table>
<tr><th>x_i</th><th>f_i</th></tr>
<tr><td>10</td><td>3</td></tr>
<tr><td>11</td><td>12</td></tr>
<tr><td>12</td><td>18</td></tr>
<tr><td>13</td><td>12</td></tr>
<tr><td>14</td><td>3</td></tr>
</table>
</td>
<td>Find M.D. for the following:
<table>
<tr><th>Marks</th><th>No. of Students</th></tr>
<tr><td>0-10</td><td>5</td></tr>
<tr><td>10-20</td><td>8</td></tr>
<tr><td>20-30</td><td>15</td></tr>
<tr><td>30-40</td><td>16</td></tr>
<tr><td>40-50</td><td>6</td></tr>
</table>
</td>
<td>Find the standard deviation of the following data:
<table>
<tr><th>C.I.</th><th>f_i</th></tr>
<tr><td>0-10</td><td>3</td></tr>
<tr><td>10-20</td><td>5</td></tr>
<tr><td>20-30</td><td>8</td></tr>
<tr><td>30-40</td><td>3</td></tr>
<tr><td>40-50</td><td>1</td></tr>
</table>
</td>
<td>Find S.D. for the following data:
<table>
<tr><th>Age in years</th><th>No. of voters</th></tr>
<tr><td>20-29</td><td>10</td></tr>
<tr><td>30-39</td><td>15</td></tr>
<tr><td>40-49</td><td>30</td></tr>
<tr><td>50-59</td><td>20</td></tr>
<tr><td>60-69</td><td>15</td></tr>
<tr><td>70-79</td><td>10</td></tr>
</table>
</td>
</tr>
<tr><td>Recall/ Remembering</td><td>Understanding</td><td>Application</td><td>Understanding</td><td>Application</td></tr>
<tr><td>a)4.25</td><td>a)0.70</td><td>a)10</td><td>a)10.54</td><td>a)10.5</td></tr>
<tr><td>b)7</td><td>b)0.25</td><td>b)9.44</td><td>b)22</td><td>b)14.309</td></tr>
<tr><td>c)5.4</td><td>c)0.5</td><td>c)9.0</td><td>c)47.91</td><td>c)10.54</td></tr>
<tr><td>d)5.0</td><td>d)0.75</td><td>d)27</td><td>d)10.2</td><td>d)12.5</td></tr>
<tr><td>Ans: <a></td><td>Ans: <d></td><td>Ans: <b></td><td>Ans: <a></td><td>Ans:<b></td></tr>
</table>

Set 1: Question No 1	Set 1: Question No 2	Set 1: Question No 3
If S.D.= 7.01 then Variance=?	Coefficient of variation of a distribution is 75% and standard deviation is 24.What is its mean?	v_1 and v_2 are coefficients of variations for Set I and Set II. $v_1=10.25$ and $v_2=12.5$, which set is more consistent?
Recall/ Remembering	Understanding	Application
a) 49.1401	a) 3.125	a)Set I
a) 50.5	b) 0.32	b) Set II
b) 64.12	c) 32	c) Both I and II
c) 36.04	d) 32.5	d) None
Ans: <a>	Ans: <c>	Ans: <a>

<table>
<tr><th>Set 2: Question No 1</th><th>Set 2: Question No 2</th><th>Set 2: Question No 3</th></tr>
<tr><td>If mean is 82.5 and S.D.= 7.2, then coefficient of variance is?</td><td>Coefficient of variation of a certain distribution is 5 and mean is 60.Find S.D.</td><td>The data of runs scored by two batsman A and B in five one day matches is given below:
<table><tr><th>Batsman</th><th>Average runs scored</th><th>S.D.</th></tr><tr><td>A</td><td>44</td><td>5.1</td></tr><tr><td>B</td><td>54</td><td>6.31</td></tr></table>
State which batsman is more consistent?</td></tr>
<tr><td>Recall/ Remembering</td><td>Understanding</td><td>Application</td></tr>
<tr><td>a)0.087</td><td>a) 5.9</td><td>a) A</td></tr>
<tr><td>b) 11.46</td><td>b) 8.33</td><td>b) B</td></tr>
<tr><td>c) 8.727</td><td>c) 0.3</td><td>c)Both A and B</td></tr>
<tr><td>d) 10.5</td><td>d) 3</td><td>d)None</td></tr>
<tr><td>Ans: <c></td><td>Ans: <d></td><td>Ans:<a></td></tr>
</table>

<table>
<tr><th>Q 1</th><th>Q 2</th><th>Q 3</th><th>Q 4</th><th>Q 5</th></tr>
<tr>
<td>Find variance and coefficient of variance of the following data:
49, 63, 46, 59, 65, 52, 60, 54</td>
<td>Find variance of the following data:
<table><tr><th>x</th><th>f</th></tr><tr><td>10</td><td>12</td></tr><tr><td>20</td><td>15</td></tr><tr><td>30</td><td>17</td></tr><tr><td>40</td><td>11</td></tr><tr><td>50</td><td>9</td></tr></table></td>
<td>In the two factories A and B engaged in the same industry, the average weekly wages and S.D. are as follows:
<table><tr><td>Factory</td><td>A</td><td>B</td></tr><tr><td>Avg.</td><td>34.5</td><td>28.5</td></tr><tr><td>S.D.</td><td>5.0</td><td>4.5</td></tr></table>
Which factory is more consistent?</td>
<td>Find variance of the following :
<table><tr><th>C.I.</th><th>frequency</th></tr><tr><td>0-10</td><td>14</td></tr><tr><td>10-20</td><td>23</td></tr><tr><td>20-30</td><td>27</td></tr><tr><td>30-40</td><td>21</td></tr><tr><td>40-50</td><td>15</td></tr></table></td>
<td>The mean and standard deviation of two sets are given below:
<table><tr><th></th><th>Set I</th><th>Set II</th></tr><tr><td>$\bar{x}$</td><td>60</td><td>65</td></tr><tr><td>σ</td><td>5</td><td>6</td></tr></table>
Which set is more consistent?</td>
</tr>
<tr><td>Recall/ Remembering</td><td>Understanding</td><td>Application</td><td>Understanding</td><td>Application</td></tr>
<tr><td>a) 6.363, 40.488</td><td>a)64</td><td>a) A</td><td>a)12.649</td><td>a)set I</td></tr>
<tr><td>b) 40.487, 11.362</td><td>b) 28.437</td><td>b)B</td><td>b)25</td><td>b)set II</td></tr>
<tr><td>c) 56, 3136</td><td>c) 13.016</td><td>c)Both A and B</td><td>c)159.997</td><td>c)Both I and II</td></tr>
<tr><td>d) 8.805, 77.52</td><td>d)169.416</td><td>d)None</td><td>d)2500</td><td>d)None</td></tr>
<tr><td>Ans: <b></td><td>Ans: <d></td><td>Ans: <a></td><td>Ans: <c></td><td>Ans:<a></td></tr>
</table>