**NUMERACY AND DATA ANALYSIS PRACTICE SHEET 3**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 1 | Create  **a) Column Chart**  **b) Line Chart**  **c) Pie chart**  **d) Bar (Horizontal) Chart**  **e) Scatter plot** for following data.  I)   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Sport | Cricket | Football | Hockey | Rugby | Tennis | Badminton | | No of people | 35 | 30 | 10 | 25 | 40 | 5 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Grade | 70+ | 60-70 | 50-60 | 40-50 | Less 40 | | No of students | 5 | 15 | 18 | 12 | 6 |   II)  III)   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | Day | Sun | Mon | Tue | Wed | Thu | Fri | Sat | | Sale £ | 700 | 450 | 470 | 520 | 560 | 710 | 720 | |  |
| 2 | Find the   1. **Mean** 2. **Mode** 3. **Median** 4. **Range** 5. **Quartile Q1, Q2, Q3** 6. **Variance** 7. **Standard Deviation** for following data set.   I)   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | Student | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | Score % | 63 | 52 | 58 | 61 | 58 | 48 | 72 |   II)   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Day | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | Output items | 98 | 82 | 86 | 92 | 105 | 92 | 98 | 102 | 92 | 90 | 88 |   III)   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Day | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | Temperature  (Celsius) | 10 | 8 | 12 | 11 | 7 | 10 | 14 | 11 | 10 | 9 | 16 | 12 | 10 | 13 | 8 | |  |