1. What is the goal of data mining? Why do we need to prepare the data? 3
2. Describe the reasons behind Data Cleaning. How to deal with missing values in data mining? 3
3. Following numbers are the score of 12 students obtained in Data mining quiz- 5
   1. Create a **box plot** of these data
   2. Do **z-score normalization** for all the odd numbers.

**12, 13.5, 7, 11, 15, 11, 9, 8.75, 12, 14, 10, 3**

1. For the following categorical data – convert it into Numerical data. 4

|  |  |  |
| --- | --- | --- |
| **Age** | **Vocal fq in Hz** | **Gender** |
| Old | 175 | M |
| Adult | 120 | M |
| Young | 180 | F |
| Old | 170 | N/A |
| Young | 90 | M |
| Young | 175 | F |