**DMBA109 Statistics for Management**

**Assignment Set – 1**

1. What are the functions and limitations of Statistics?

2. A clerk calculated arithmetic mean of 50 values as 39.2. However, it was found that instead of taking two values as 25 and 32, he took them as 52 and 23. Find the corrected arithmetic mean.

3. Define Following Terms:

* Mutually exclusive Events
* Independent Events

**Assignment Set – 2**

4. The data given below depicts the sales statistics of six sales representatives in two different localities. Find whether there is a relationship between the buying habits of the people in the localities.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Representative | 1 | 2 | 3 | 4 | 5 | 6 |
| Locality I | 70 | 40 | 65 | 110 | 60 | 20 |
| Locality II | 70 | 30 | 80 | 100 | 90 | 20 |

5. Discuss the concept, objectives and assumptions of ANNOVA.

6. What are the components of time series? Bring out the significance of moving average in analysing a time series and point out its limitations.

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