**Assignment 1**

**Q1)** Calculate the coefficient of correlation and find its probable error from the following students:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **X:** | **7** | **6** | **5** | **4** | **3** | **2** | **1** |
| **Y:** | **18** | **16** | **14** | **12** | **10** | **6** | **8** |

**Q2)** Discuss the various method of collecting Primary Data in Statistics.

**Q3)** Discuss the relationship formula between correlation and regression with suitable example.

**Q4)** Make apie chartfor the given data:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Items | Agriculture | Industries | Health | Miscellaneous |
| Expenditure | 5,400 | 1,800 | 1,500 | 600 |