**Q-4) Ans- Customer Order Form**

WORKSHEET 3

**Chi-Square Test for Association: Subscripts, Defective**

**Rows: Subscripts   Columns: Defective**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Defective** | **Error Free** | **All** |
|  |  |  |  |
| India | 20 | 280 | 300 |
|  | 28.25 | 271.75 |  |
|  |  |  |  |
| Indonesia | 33 | 267 | 300 |
|  | 28.25 | 271.75 |  |
|  |  |  |  |
| Malta | 31 | 269 | 300 |
|  | 28.25 | 271.75 |  |
|  |  |  |  |
| Phillippines | 29 | 271 | 300 |
|  | 28.25 | 271.75 |  |
|  |  |  |  |
| All | 113 | 1087 | 1200 |

*Cell Contents  
      Count  
      Expected count*

**Chi-Square Test**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Chi-Square** | **DF** | **P-Value** |
| Pearson | 3.859 | 3 | 0.277 |
| Likelihood Ratio | 4.084 | 3 | 0.253 |

**P-value 0.253 > 0.05, so accepting Ho and rejecting Ha.**

**Defective % are same in all centers.**