

**Diploma course in Statistical Software (MS –Excel)**  
**Second Year**

**Sem - I**

**1. Introduction to Ms-Excel**

**2. Measures of central tendency**

Arithmetic Mean, Geometric mean, Harmonic mean, Median, Quartiles Deciles, Percentiles, Mode.

**3. Measures of dispersion**

Range, Quartile deviation, Absolute measure, Relative measure  
Interquartile range, Mean deviation , Variance, Standard Deviation, Coefficient of variation.

**4. Correlation and Regression**

Karl-Pearson Correlation coeff( $r$ ), Spearman's correlation  
coeff.( $R$ )

**5. Graphical representation**

Bar diagram, Sub – divided bar diagram, multiple bar diagram, subdivided bar diagram, pie- diagram, scatter diagram, histogram, frequency curve

## **Sem -II**

### **6.Fitting of distributions**

Binomial,Poisson,NegativeBinomial,Hypergeometric,Exponential &Normal Also test the goodness of fit

### **7.Fit a straight line and parabolic curve.**

### **8.Sketch of Gamma & Beta Distribution.**

### **9.Multiple and Partial correlation coefficient**

**Nature of Question Paper**  
**Certificate Course in Statistical Software**

**Paper I and II**

**Total 100 Marks**

Que. 1 Short Answer (Any Four)	20
Que. 2 Broad Questions (Two)	20
Que. 3 Short Notes (Any Four)	20

**Practical Work**

1) Short Questions	20
2) Broad Question	20

**Total Marks - 100**

## Ms-Excel

<b>Book Name</b>	<b>Author Name</b>
Formulas and Functions: Microsoft Excel 2010	Paul McFedries
Excel 2007 Bible	John Walkenbach
Learn Excel 2010 Essential Skills with The Smart Method	Mike Smart
Excel 2007 Charts	John Walkenbach
Beginning PivotTables in Exel 2007	Debra Dagleish