



**Continuous Internal Assessment- I (August,2025)**

**Class: II UG**

**Time:2 Hours**

**Major: CS/BC/BT**

**Max.Marks:60**

**23BECGE5 – Data Analysis with Excel/ SPSS/ R/ Python**

**Course Outcomes:**

- CO1: Knowledge in doing simple computations using Excel sheet
- CO 2: Understanding the basic of data entry and importing and exporting data
- CO3: Comprehend the technique of data visualization and descriptive statistics
- CO4: Acquire proficiency computing multivariate statistical techniques
- CO5: Proficiency to apply analytical skills in research

**Theory Questions :**

**Answer the following questions**

**3\*10=30**

**Answer any Three**

- 1.Explain the different type of t-test **CO1K2**
- 2.Narrate the features of SPSS and its Limitations **CO4K3**
- 3.State the difference between advantages and disadvantages of using Python **CO2K3**
- 4.Discuss the types of descriptive statistics analysis **CO3K3**
- 5.Narrate the features of R as program language in Statistics **CO2K3**
- 6.Explain the function of MS Excel **CO1K3**

**Practical Questions:**

**Answer the following questions**

**3\*10=30**

**Answer any three**

7.Calculate the log and linear log for the following rubber production data using Excel/SPSS

**CO1K3**

Year	1991	1992	1993	1994	1995	1996
production	356	784	460	657	572	234

8. Find out the Savings of the employees for the following data using Excel/SPSS **CO2K3**

Id No	101	102	103	104	105	106
Salary	2000	3000	3500	2700	1300	3200
Rent	500	120	300	250	600	450
Bills	400	240	350	150	200	300

9. Generate descriptive statistics for the following data on books sold in various countries using SPSS/Excel **CO3K3**

City	Boston	Topeka	USA	India	UK	Japan	China
Books Sold	98	146	124	109	130	25	72

10. Suppose a scientist wants to know the height of a certain species of plant is equal to 16 inches and collect sample of 13 plants calculate the t test statistics for the following data using excel /SPSS **CO4K3**

Plant height (inches)	14	13	15	16	13	12	13	16	15	15	16	14	17
-----------------------	----	----	----	----	----	----	----	----	----	----	----	----	----

**Number of copies:16**

**Staffin charge: Dr.V.L.Lavanya**