



**SNS COLLEGE OF TECHNOLOGY  
Coimbatore-35.**



**(An Autonomous Institution)**

**DEPARTMENT OF MATHEMATICS**

**23MAT601-Applied Statistics for Data Analysis**

**UNIT – I STATISTICAL DATA REPRESENTATIONS**

**Part A ( 2 Marks)**

1. In a pie chart depicting total expenses of a company for the year 2016, raw material had a central angle of  $45^{\circ}$ . If total expenses were Rs 504 Lakhs, what was the company's expense on raw materials (in Rs Lakhs)?
2. What are the Graphical methods to be followed to identify Mode and Median and explain it?
3. Represent the following data by suitable bar diagram

year	Production in tonnes		
	Rice	Wheat	Maize
2001	87	65	72
2002	90	71	75
2003	95	80	79

4. What are grouped and ungrouped frequency distributions?
5. Write a detail note on graphical representation of data.
6. Write short notes on i)Ogive ii) Frequency Polygon iii) Frequency Curve
7. Give any two examples of collecting data from day-to-day life

8. Write a detail note on diagrammatic representation of data
9. Write the advantages and Disadvantages of diagrammatic representation of data
10. What do you mean by Cumulative frequency distribution? Point out its advantages and uses.
11. What is histogram? How it is constructed?
12. Describe the two types of ogives and discuss their uses.