SSC CGL Pie Chart are a frequently tested topic in the Data Interpretation section of the SSC CGL Quantitative Aptitude paper. Their visual and straightforward nature makes them one of the most scoring areas, especially for aspirants aiming to clear Tier 1 with a high accuracy rate. These charts represent data in a circular format where each sector shows a part of the whole, making them perfect for questions involving percentage distributions, ratios, and category-wise comparisons.

SSC CGL Pie Chart questions are frequently asked in SSC CGL Tier 1 (2–3 questions) and Tier 2 (up to 5 questions in a DI set). These questions are direct, visual, and less time-consuming if approached correctly. Whether it's analyzing departmental expenditures, sales shares, or demographic distribution, these sets allow candidates to apply basic arithmetic in a visual context. A clear understanding of percentages, angles, and proportions can help you solve these quickly without complex calculations. Their consistent presence in previous years makes it crucial for candidates to get comfortable interpreting and calculating from pie charts.

SSC CGL Pie Chart – What is a Pie Chart?

A pie chart is a circular statistical graphic that is divided into slices to illustrate numerical proportions. Each sector (slice) of the pie represents a category's contribution to the total value, making it ideal for showing part-to-whole relationships. SSC CGL Pie Chart are used to assess a candidate's ability to perform percentage calculations, angle-based comparisons, and data segmentation.

Typically, the pie chart will be labeled with either percentage values or angle degrees. Sometimes, the total value of the data set is given, while in other cases, candidates are required to calculate the absolute values based on the information provided. Either way, solvingSSC CGL Pie Chart questions involves strong basic math skills and fast visual interpretation.

SSC CGL Pie Chart – Types of Questions

The SSC CGL exam features various types of Pie Chart questions, each designed to test different data interpretation skills. These include:

- **Single Pie Chart Questions:** Based on a pie chart showing distribution across categories like expenses, population, or revenue.

- **Double Pie Chart Questions:** Involve two pie charts—usually for comparison between two years, cities, companies, etc.

- **Pie Chart with Table or Bar Graph:** Combination questions where pie charts are supplemented with another data form for deeper analysis.

- **Percentage & Value Conversion:** You may be asked to convert percentage segments into actual values based on given totals.

- **Ratio and Comparison Questions:** These require comparing segments to find how one category relates to another numerically.

SSC CGL Pie Chart – Concepts to Master

To solve pie chart-based questions efficiently in the SSC CGL exam, it is essential to have a strong grasp of the following topics:

Percentage:

This is the most fundamental concept used in SSC CGL Pie Chart. Since the entire pie chart represents 100%, understanding how to calculate and manipulate percentages is crucial. You will often be required to convert percentages into values or vice versa to find the correct answers.

Ratio & Proportion:

These concepts are frequently used to compare two or more sections of a pie chart. For instance, you might need to determine how much one category contributes to another, which requires applying the ratio concept accurately.

Basic Arithmetic:

Operations like addition, subtraction, multiplication, and division are the foundation for solving data interpretation problems. Whether it's calculating total values, finding differences between segments, or computing averages, you'll need solid arithmetic skills.

Degrees to Percentage Conversion:

Sometimes, pie charts are presented in terms of degrees rather than percentages. Since a full pie chart is 360 degrees, it's important to know how to convert degrees to percentages and vice versa. This helps in interpreting and solving angle-based pie chart questions correctly.

Approximations:

Quick estimations can help you eliminate incorrect answer options, especially when the choices are far apart. Mastering approximation techniques will improve your speed and efficiency in solving pie chart questions under time pressure.

SSC CGL Pie Chart – Question Trend

Over the past few years, SSC CGL Pie Chart-based questions have been a consistent component of the SSC CGL Data Interpretation section. These questions generally appear as part of a DI set and test the candidate's ability to interpret proportions, percentages, and angles accurately. The number of questions has remained steady, indicating the importance of preparing for this topic thoroughly. Most of the sets involve moderate-level calculations, though they are considered scoring if the concepts are well understood.

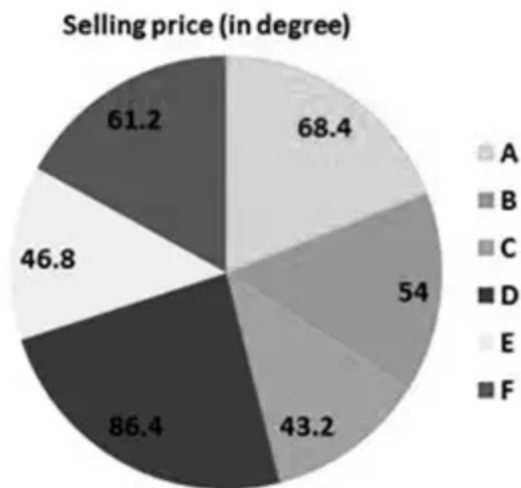| Year	No. of Questions	Difficulty Level
2023	3-4	Moderate
2022	4	Moderate
2021	3	Easy to Moderate
2020	3-4	Moderate
2019	2-3	Easy to Moderate

SSC CGL Pie Chart – Types of Questions

There are various types of SSC CGL Pie Chart, ranging from single chart-based analysis to multi-layered comparison sets. Below is an example of a "Single Pie Chart with Degree-Based Distribution" question type, where the values are given in degrees, and additional concepts like profit, discount, markup, and percentage comparison are tested.

E.g. Directions: The Pie chart given below in the question gives the share of Selling Prices of six articles (A - F). The total selling price of all articles combined is Rs 10500. Values in the pie chart are given in degrees. Read the information carefully and answer the question that follows.

Selling price (in degree)

61.2 68.4 46.8 54 86.4 43.2

A
B
C
D
E
F

[Source: Quant sir]

(1) Find the ratio of the sum of selling prices of B and F to the sum of selling prices of C and E.

(2) The profit percent on F is 16.67% and the discount is 12.5%. Find the markup percentage on F.

(3) Find the average of the sum of the selling prices of A, B, C, and E.

(4) The selling price of B is what percent less than the selling price of D?

Sol:(1) Because the Question deals with ratio, it is better to take the total selling price as Rs 360.

Combined selling price of B and F = 54 + 61.2 = 115.2

Combined selling price of C and E = 43.2 + 46.8 = 90

Ratio = 115.2 : 90 = 32 : 25 **(Ans.)**

(2) Selling price of F = 61.2360 × 10500 = Rs 1785

Let the cost price of F be M.

Profit = 16.67% = 16

⇒ M + 16.67% of M = 1785

⇒ (116.67/100) M = 1785

⇒ M = Rs 1530

Marked price = N

⇒ (100 - 12.5)% of N = 1785

⇒ N = Rs 2040

Let Markup percentage be x.

⇒ (100 + x)% of 1530 = 2040

⇒ (100 + x) = 133.33

⇒ x = 33.33% (**Ans.**)

(**3**) Share of A, B, C, and E combined = (68.4 + 54 + 43.2 + 46.8) = 212.4

Average share = 212.44 = 53.1

Average selling price = 53.1360 × 10500 = Rs 1548.75 (**Ans.**)

(**4**) Since the question deals purely in percentages, we'll consider the total selling price equal to 360.

Selling price of B = 54

Selling price of D = 86.4

Difference = 86.4 - 54 = 32.4

Required percentage = 32.486.4 × 100 = 37.5% (**Ans.**)

SSC CGL Pie Chart – Strategy For Questions

- Understand the total value the chart represents—this is key for converting segments.
- Brush up your skills in percentage-to-value and value-to-percentage conversions.
- Practice questions with time limits to build speed and accuracy.
- Focus on approximation skills if exact values aren't required in the question.
- Always scan the entire set of questions before starting to identify the easiest ones.

SSC CGL Pie Chart – Tips to Master

- Practice 3–4 complete DI sets weekly that include pie chart questions.
- Read values carefully before solving—identify total values, units, and categories.
- Estimate proportions visually before jumping into detailed calculations.
- Revise key concepts like percentage, ratio, and degree-to-percentage conversions.
- Solve previous year questions to get familiar with SSC's question format and difficulty level.

The SSC CGL Pie Chart is a frequent component of the Quantitative Aptitude section, appearing regularly in Data Interpretation questions in both Tier 1 and Tier 2. These questions test your ability to convert visual segments into actual values, percentages, or ratios. Mastery of basic arithmetic, a clear grasp of pie chart distribution, and a methodical approach to solving questions can make this topic highly scoring.

At Quant Sir, we help you master every topic for SSC exams, including Pie Charts. With focused sessions, practice sets, doubt-clearing classes, and eBooks, our learning tools ensure you're well-prepared. Whether you're just starting or refining your skills for Tier 2, Quant Sir equips you with the right strategy to handle Pie Chart questions with confidence and speed.