



**Syllabus for the post of JUNIOR TECHNICAL ASSISTANT (Mathematics)**  
**(WRITTEN TEST & SKILL TEST)**

**Descriptive Statistics:** Histogram, Bar Chart, Pie Chart, Scatter Diagram, Measures of Central Tendency (Mean, Mode, Median), Measures of Dispersion (Standard Deviation, Mean Deviation, Range), Coefficient of Variation, Correlation Coefficient and their Properties

**Basics of Programming Language:** Flowchart, Data types, variables, operators, expressions, control structures, functions, parameter passing conventions, Pointers, arrays, operations on data (Insert, delete, search, traverse and modify), structures and classes, Basic knowledge to develop well-structured program in C/C++/Java/Python/ any other programming language, Algorithm Development, Complexity analysis and asymptotics, linked lists, stacks, queues, binary trees, tree traversals.

**IT Infrastructure Maintenance:** Network Troubleshooting, Computer assembling and maintenance, Website management, Installation and updating of Software / operating systems (Windows and Linux)

\*\*\*\*\*