Syllabus for the post of Senior Technical Assistant (Mathematics) (Post Code 4722)

Written Test (60 Marks) and Skill Test (40 Marks)

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, Installation and updating of Softwares.

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