Syllabus for the post of Senior Technical Assistant (Computer Science & Engineering) (Post Code 5205)

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

Basics of Web
- Internet and World Wide Web - HTTP Servers - HTTP Sessions - SSL Certificates - HTTP and HTTPS Protocols - Web Browsers - URL - HTTP Error Codes
Front End Technologies:
- HTML5 - JavaScript and DOM - JQuery and TypeScript - Ajax - CSS, Responsive Design, and Bootstrap - Layout
Back-end Technologies:
- PHP, Asp.Net, JSP, Ruby on Rails, - REST API, XML, JSON - Node.js, NPM
Platforms and Servers:
- IIS, Apache, Nginx, - Linux and Window Hosting - Working with Virtual Machines, - Understanding of Chrome and Firefox Developer Tools
Programming Languages:
- PHP, C#, Java, Python - Object-Oriented Design Principles
Library and Framework:
- WordPress or any CMS - ReactJS, AngularJS
SEO
- Basic SEO techniques, URL Routing
Database:
- Knowledge of SQL Query and Connectivity with frontend - MySQL, PGSQL, MS SQL Server - NoSQL Databases, MongoDB
Source Control and Versioning:
- Git Commands