

## भाग-I लिखित परीक्षा का पाठ्य विवरण

### **Aptitude Test, General Awareness in Information Technology and Fundamentals of Computer:**

- (a) Problem Solving, Data Interpretation, Data Sufficiency, Logical Reasoning, Mental Ability and Analytical Reasoning. General Knowledge and Current Affairs relating to India and Rajasthan, Major developments in the field of Information Technology.
- (b) Overview of the Computer System including input-output devices, pointing devices, and scanner.
- (c) Introduction to Operating System, Word Processing (MS-Word), Spread Sheet Software (MS-Excel), Presentation Software (MS Power Point), DBMS Software (MS-Access).
- (d) Representation of Data (Digital versus Analog, Number System – Decimal, Binary & Hexadecimal), Introduction to Data Processing, Concepts of files and its types.
- (e) Introduction of Internet Technology and Protocol, LAN, MAN, WAN, Search Services/Engines, Introduction to online & offline messaging, World Wide Web Browsers, Web publishing, Creation & maintenance of Websites, HTML Interactivity Tools, Multimedia and Graphics, Voice Mail and Video Conferencing, Introduction to e-Commerce.
- (f) Security: Protecting Computer Systems from viruses & malicious attacks, Introduction to Firewalls and its utility, Backup & Restoring data.
- (g) Algorithms for Problem Solving, Introduction to C Language, Principles and Programming Techniques, Introduction of Object Oriented Programming (OOPs) concepts, Introduction to “Integrated Development Environment” and its advantages.