**[COMPUTER SCIENCE](http://www.result.pk)**

[For Class IX (marks 55)](http://www.result.pk)

**[1. Introduction to Computers](http://www.result.pk)**

* [History and development of computers](http://www.result.pk) 
  + [Types of computers (analogue, digital, hybrid)](http://www.result.pk)
  + [Classification of digital computers (micro, mini, mainframe and super computer)](http://www.result.pk)
* [Impact of computers and the internet on society](http://www.result.pk)
* [Introduction to programming languages (high level, medium level and low level) concepts of compiler, interpreter and assembler.](http://www.result.pk)

**[2. Computer Components](http://www.result.pk)**

* [Central Processing Unit (CPU),](http://www.result.pk) 
  + [Control Unit (CU),](http://www.result.pk)

[Arithmetic and Logic Unit (ALU)](http://www.result.pk)

* [Busses: Data bus, Address bus, Control bus](http://www.result.pk) 
  + [Primary/Main memory (RAM, ROM) Secondary memory,](http://www.result.pk)
  + [Input/output devices,](http://www.result.pk)
  + [Ports: serial and parallel ports](http://www.result.pk)
  + [Motherboard](http://www.result.pk)

**[3. Input/Output Devices](http://www.result.pk)**

* [Input devices:](http://www.result.pk) 
  + [Key board, mouse, joystick, scanner, trackball, light pen, voice microphone, digital video camera, disk drive](http://www.result.pk) 
    - [Output devices:](http://www.result.pk)

[- Monitors, printers and their kinds (daisy wheel, line, electrostatic, inkjet, electro thermal and laser), plotters, CD writer, disk drive (concept of soft copy and hard copy)](http://www.result.pk)

**[4. Storage Devices](http://www.result.pk)**

* + - * + [Main memory:](http://www.result.pk)

[RAM, ROM, SIMM, DIMM](http://www.result.pk)

[Memory units:](http://www.result.pk)

[Bits, byte (K bytes, M bytes, G bytes and T bytes).](http://www.result.pk)

[Secondary memory;](http://www.result.pk)

[Floppy disk, hard disk, compact disk, magnetic tape.](http://www.result.pk)

**[5. Computer Software](http://www.result.pk)**

* [Types of software:](http://www.result.pk) 
  + [System software (operating system, programming language translator, service software and examples),](http://www.result.pk)
  + [Application software,](http://www.result.pk) 
    - [DOS Commands:](http://www.result.pk) 
      * [Executable Files, EXE, COM and BAT,](http://www.result.pk)
      * [DIR with Switches, CLS, DATE, TIME, COPY, VER, DEL, TYPE, FORMAT, COPY PRINT, SYS, CHKDSK, EDIT, XCOPY, DELTREE, PROMPT, REM,](http://www.result.pk)
        + [Create or make directory,](http://www.result.pk)
        + [Remove/Delete command, and other commonly used commands,](http://www.result.pk)
        + [Paths.](http://www.result.pk)

**[6. Introduction to WINDOWS](http://www.result.pk)**

* [Startup process of WINDOWS,](http://www.result.pk)
* [Components of WINDOWS:](http://www.result.pk)
* [Title bar,](http://www.result.pk)
* [Status bar,](http://www.result.pk)
* [Scroll bars,](http://www.result.pk)
* [Menu bar,](http://www.result.pk)
* [Dialog boxes,](http://www.result.pk)
* [Familiarization with WINDOWS icons:](http://www.result.pk) 
  + [My Computer,](http://www.result.pk)
  + [Recycle Bin,](http://www.result.pk)
  + [Start Button,](http://www.result.pk)
  + [Control Panel,](http://www.result.pk)
  + [Other sub menus,](http://www.result.pk)
  + [Clicking the start button, beginning with taskbar,](http://www.result.pk)
  + [Shut down process,](http://www.result.pk) 
    - [Demonstration of installation procedure for WINDOWS,](http://www.result.pk)
    - [Viruses and anti-virus.](http://www.result.pk)

**[7. Computer Application (Word Processor)](http://www.result.pk)**

* [Introduction to word processing,](http://www.result.pk)
* [Loading a word processing program (MS WORD):](http://www.result.pk) 
  + [Typing, saving, exiting,](http://www.result.pk)
  + [Text formatting,](http://www.result.pk)
  + [Document formatting,](http://www.result.pk)
  + [Blocking, moving blocks of text,](http://www.result.pk)
  + [Indenting,](http://www.result.pk)
  + [Fonts, page layout, printing.](http://www.result.pk)

**[RECOMMENDED REFERENCE BOOKS FOR CLASS IX](http://www.result.pk)**

[The question paper will be syllabus oriented. However, the following books are recommended for reference and supplementary reading:](http://www.result.pk)

[1. Computer Science](http://www.result.pk)

[National Book Foundation, Islamabad](http://www.result.pk)

[2. Computer Science](http://www.result.pk)

[Punjab Text Book Board, Lahore](http://www.result.pk)

[3. Computer Science](http://www.result.pk)

[NWFP Textbook Board, Peshawar](http://www.result.pk)

[4. Computer Science](http://www.result.pk)

[Baluchistan Textbook Board, Quetta](http://www.result.pk)

[5. A Textbook of Computer Science for class IX-X](http://www.result.pk)

[Prof. Shaukat Ayub Burki](http://www.result.pk)

[Gaba Educational Book](http://www.result.pk)

[Urdu Bazaar, M.A. Jinnah Road, Karachi](http://www.result.pk)