

First year of Five Years integrated M. Sc. (Physics / Chemistry / Mathematics)

M.Sc. -I, Semester.-II

MM 104: Introduction to Computers

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- **Introduction to Computer** (09 Hours)
Introduction to computer, History of computer, Parts of computer, Computer Terminology, Setup of a computer, Disc drives, Disc utilities, Starting and stopping computer, use of the mouse, Installing and uninstalling software, Maintenance of computer, Purchasing a computer, Troubleshooting of computers.
 - **Hardware of computer** (08 Hours)
Input and output devices, Central processing unit (CPU), Keyboard, Monitor, Mouse, Printer, Modems, Scanners, Digital cameras, Different cards (sound, colour and video), Different storage devices (floppy, hard, CD, DVD).
 - **System Software and Programming** (08 Hours)
System software-Function, Types and Utilities.
Computer Programming-Languages-Machine and assembly languages, Fortran, C, Basic, C, C++, Java etc.
 - **Applications of Computer** (07 Hours)
Desktop publishing, Spread sheet, Database, Graphics, Presentation, Communication, Internet Browser, Web pages, Email, Project management, Integrated and suits.

(Total Contact Time (Theory): 32 Hours)

BOOKS RECOMMENDED:

1. **Kingsley Idiagbor**, *Basic Computer Science for Beginners*, 2002.
2. **Walton, S.**, *Computer Fundamentals*, 1997.
3. **Horowitz P. and Hill W.**, *The Art of Electronics*, Cambridge University Press, 1989.
4. **Shelly C. V.**, *Discovering Computers*, Web Enhanced, Complete Edition, 2005.
5. **Marjorie H. and Michael H.**, *Microsoft Office 2003*, Brief Edition