

## Introduction to Computer

**Placement: First year**

**Theory – 45 Hours**

**(Class -15 + lab 30)**

**Course description:** This course is designed for students to development basic understanding of uses of computer and its applications in nursing.

**Specific objectives:** After the completion of the course, students will able to:

1. Identify & define various concepts used in computer.
2. Identify & describe application of computer in nursing.
3. Describe & use the DOS & Windows
4. Describe & demonstrate skill in the use of MS-office.
5. Describe & demonstrate skill in using multimedia & computer aided teaching & testing.
6. Identify & demonstrate use of internet & e-mail
7. Describe & use the statistical packages
8. Describe the use of Hospital Management System.

Unit	Hrs	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
I	3	<ul style="list-style-type: none"> <li>• Identify &amp; define various concepts used in computer</li> <li>• Identify application of computer in nursing</li> </ul>	<b>Introduction</b> <ul style="list-style-type: none"> <li>• Concepts of Computers</li> <li>• Hardware and software; trends and technology</li> <li>• Application of computers in nursing</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
II	26 Hrs T=6 P=20	<ul style="list-style-type: none"> <li>• Describe and Use the Disk Operating System</li> <li>• Demonstrate skill in the use of MS Office</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to disk operating system                             <ul style="list-style-type: none"> <li>o DOS</li> <li>o Windows (all version)</li> </ul> </li> <li>• Introduction                             <ul style="list-style-type: none"> <li>o MS-Word</li> <li>o MS-Excel with pictorial presentation</li> <li>o MS-Access</li> <li>o MS-Power point</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Practical Exam.</li> </ul>

<b>III</b>	<b>5 Hrs</b> T=2 P=3	<ul style="list-style-type: none"> <li>• Demonstrate skill in using in using multimedia</li> <li>• Identify features of computer aided teaching and testing</li> </ul>	<ul style="list-style-type: none"> <li>• Multimedia; types &amp; uses</li> <li>• Computer aided teaching &amp; testing.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Practical Exam and Viva Voce</li> </ul>
<b>IV</b>	<b>4 Hrs</b> T=1 P=3	<ul style="list-style-type: none"> <li>• Demonstrate use of internet and Email</li> </ul>	<ul style="list-style-type: none"> <li>• Use of Internet and: email</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Demonstration</li> <li>• Practice Session</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Practical Exam and Viva Voce</li> </ul>
<b>V</b>	<b>4 Hrs</b> T=2 P=2	<ul style="list-style-type: none"> <li>• Describe and use the statistical packages</li> </ul>	<ul style="list-style-type: none"> <li>• Statistical packages: types and their features</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Demonstration</li> <li>• Practice Session</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Practical Exam and Viva Voce</li> </ul>
<b>VI</b>	<b>3 Hrs</b> T=1 P=2	<ul style="list-style-type: none"> <li>• Describe the use of Hospital Management System</li> </ul>	<ul style="list-style-type: none"> <li>• Hospital Management System: Types and uses</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Practical Exam and Viva Voce</li> </ul>

#### REFERENCES:

1. Jain and Saakshi (2004), COMPUTERS FOR NURSES
2. Kalicharan (2002), INTRODUCTION TO COMPUTER SCIENCE
3. Nicoll (2001), NURSES GUIDE TO INTERNET. Third edition.
4. Phatak M et al (2001), MULTIMEDIA TECHNIQUES. First edition, Nirali Prakashan.
5. Rajaraman (1999), FUNDAMENTALS OF COMPUTER . Tata Macrohills Publication, New Delhi.
6. Sanjeev kumar (2002), A TEXTBOOK OF COMPUTER APPLICATIONS. Educational and Technical Publishers, New Delhi.

#### Evaluation Scheme:

Subject	Internal Assessment	Total
#Introduction to Computer (Theory)	100 (College level qualifying exam, minimum passing Marks 40%.)	100

**\* College level qualifying exam to appear in University Examination, minimum passing Marks 50%.**

Details as follows:

**Internal Assessment: 100 Marks**  
(Out of 100 Marks to be send to the University)

**Mid-Term: 50 Marks**  
**Prelim: 50 Marks**  
**Total: 100 Marks**