Introduction to Computer

Placement : First Year

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Theory – 45 Hours
(Class -15 + lab 30)

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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	•Identify & define various concepts used in computer •Identify application of computer in nursing	**Introduction** •Concepts of Computers •Hardware and software; trends and technology •Application of computers in nursing	•Lecture Discussion •Demonstration	•Short answers •Objective type.
II	**26 Hrs** T=6 P=20	•Describe and Use the Disk Operating System •Demonstrate skill in the use of MS Office	•Introduction to disk operating system o DOS o Windows (all version) •Introduction o MS-Word o MS-Excel with pictorial presentation o MS-Access o MS-Power point	•Lecturer Discussion •Demonstration	•Short answers •Objective type •Practical Exam.
III	**5 Hrs** T=2 P=3	•Demonstrate skill in using in using multi-media •Identify features of computer aided teaching and testing	•Multimedia; types & uses •Computer aided teaching & testing.	•Lecture Discussion •Demonstration	•Short answers •Objective type •Practical Exam and Viva Voce
IV	**4 Hrs** T=1 P=3	•Demonstrate use of internet and Email	•Use of Internet and : e-mail	•Lecture Discussion •Demonstration •Practice Session	•Short answers •Objective type •Practical Exam and Viva Voce

Unit	(Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
V	**4 Hrs** T=2 P=2	•Describe and use the statistical packages	•Statistical packages : types and their features	•Lecturer Discussion •Demonstration •Practice Session	•Short answers •Objective type •Practical Exam and Viva Voce
VI	**3 Hrs** T=1 P=2	•Describe the use of Hospital Management System	•Hospital Management System : Types and uses	•Lecture Discussion •Demonstration	•Short answers •Objective type •Practical Exam and Viva Voce

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 Macrohill Publication, New Delhi.

6) Sanjeev kumar (2002), *A TEXTBOOK OF COMPUTER APPLICATIONS*. Educational and Technical

   Publishers, New Delhi.

Evaluation Scheme

Subject #Introduction to computer	Internal Assessment	Total
Theory	100 (College level qualifying exam, minimum passing Marks 50%.)	100

 # College level qualifying exam to appear in University Examination must be minimum 50% combined i.e. 50 marks out of 100 marks (Theory & Practical Examination clubbed together)

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

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