

Application of Computer in Pharmacy

Units	Syllabus	Hours
1	<p style="text-align: center;">Introduction to Computer Applications in Pharmacy</p> <ul style="list-style-type: none"> • Overview of computer technology and its significance in pharmacy. • Historical development and milestones in the field of computer applications in pharmacy. • Current trends and future prospects of computer utilization in pharmacy. 	2 Hours
2	<p style="text-align: center;">Basics of Computer Systems and Software</p> <ul style="list-style-type: none"> • Understanding computer hardware, software, and operating systems. • Introduction to common software applications used in pharmacy practice. • Overview of computer network systems and their importance in pharmacy settings. 	4 Hours
3	<p style="text-align: center;">Pharmacy Information Systems</p> <ul style="list-style-type: none"> <input type="checkbox"/> Introduction to pharmacy information systems (PIS). <input type="checkbox"/> Electronic health records (EHR) and their integration with pharmacy practice. <input type="checkbox"/> Overview of medication order entry and computerized physician order entry (CPOE) systems 	6 Hours

4	<p>Drug Information Management and Retrieval</p> <ul style="list-style-type: none"> • Introduction to drug information databases and resources. • Techniques for efficient drug information retrieval using computer-based tools. • Evaluation of drug information sources for accuracy, reliability, and relevance. • Introduction to clinical decision support systems (CDSS) in pharmacy practice. 	6 hours
5	<p>Computer Applications in Pharmaceutical Research</p>	6 hours
6	<p>Emerging Trends in Computer Applications in Pharmacy</p> <ul style="list-style-type: none"> • Exploration of emerging technologies, such as artificial intelligence (AI) and machine learning in pharmacy. • Internet of Things (IoT) applications in pharmacy practice. • Telepharmacy and its role in expanding access to pharmaceutical care. • Ethical considerations and challenges in the use of computers in pharmacy. 	6 hours

Communication Skills

Chapter	Topic	Hours
1	Introduction to Communications <ul style="list-style-type: none"> • Importance • Communication Process • Feedback • Importance of Feedback 	3
2	Barriers to Communications <ul style="list-style-type: none"> • Physiological • Physical • Cultural • Language • Gender • Interpersonal • Psychological • Emotional 	5
3	Letter Writing <ul style="list-style-type: none"> • Types of Letters • Friendly Letter • Business Letter • Letter of Application • Letter of Enquiry • Orders & Complaints 	2
4	Oral Presentation <ul style="list-style-type: none"> • Presentation • Meeting • Notice • Agenda • Minutes • Dealing with Fears 	3

	<ul style="list-style-type: none"> • Techniques of Delivery 	
5	<p>Correct Usage</p> <ul style="list-style-type: none"> • Proper use of Words • Sentence forming • Differentiating pair of words 	2
6	<p>Advertising</p> <ul style="list-style-type: none"> • Importance of Advertisement • Types of Media • Use of Language • Graphic Aids • Use of Graph, Music, Videos 	4
7	<p>Interview Skills</p> <ul style="list-style-type: none"> • Purpose of Interview • Types of Interviews • Do's & Don'ts • Technique of Handling Question 	6
8	<p>Group Discussion</p> <ul style="list-style-type: none"> • Introduction • Communication skills in Discussion • Essentials of Group Discussion • Difference between Group Discussion & Debate • Steps Involved 	5

Environmental Science

Chapter	Topic	Hours
1	Unit-I The Multidisciplinary nature of environmental studies Natural Resources Renewable and non-renewable resources: Natural resources and associated problems a) Forest resources; b) Water resources; c) Mineral resources;	05
2	Unit II d) Food resources; e) Energy resources; f) Land resources: Role of an individual in conservation of natural resources	5
3	Unit-III Ecosystems Concept of an ecosystem. Structure and function of an ecosystem. Introduction, types, characteristic features, structure and function of the ecosystems:	5
4	Unit-III Forest ecosystem; Grassland ecosystem; Desert ecosystem; Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)10hours	5
5	Unit- IV Environmental Pollution: Air pollution	5
6	Unit- V Water pollution; Soil pollution	5