# **GAUTAM COLLEGE OF PHARMACY, HAMIRPUR**

# **Lesson Plan**

**Course:** D. Pharmacy 1st Year

**Subject Code:** ER20-15T

**Subject Name:** Social Pharmacy

**Total Teaching Hours:** 75

**Name of Teacher:**

**Each Lecture:** 1 hour

1. Total no. of Assignment given:

2. Model question paper given: Yes/No

3. No. of extra Lectures delivered:

4. Feedback from student taken: Yes/No

**Pharmacotherapeutics Full Lesson Plan**

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| **No.** | **Learning Outcome** | **Schedule Date** | **Actual Date** | **Type** | **Topic/Focus** | **Pedagogy** | **Remarks** |
| 1 | Definition & Scope of Social Pharmacy | 02/09/24 |  | Tutorial | Define Social Pharmacy and explain its scope in public health. | Illustrated Lecture |  |
| 2 | Social Pharmacy as a Discipline; Role of Pharmacists in Public Health | 05/09/24 |  | Lecture | Discuss the pharmacist's role in improving public health. | Class Seminar |  |
| 3 | Concept of Health: WHO Definition, Dimensions, Determinants, Indicators | 06/09/24 |  | Lecture | Identify health determinants and indicators as per WHO. | Group Discussion |  |
| 4 | Seminar: Scope & Role of Pharmacists | 07/09/24 |  | Lecture | Reflect on the evolving role of pharmacists in society. | Group Discussion |  |
| 5 | National Health Policy â€“ Indian Perspective | 09/09/24 |  | Tutorial | Summarize key points of India's National Health Policy. | Lecture |  |
| 6 | Public & Private Health System in India | 12/09/24 |  | Lecture | Compare public and private health systems in India. | Case-based Learning |  |
| 7 | National Health Mission | 13/09/24 |  | Lecture | Describe objectives and structure of the National Health Mission. | Lecture |  |
| 8 | Seminar: Health Policy & Systems | 14/09/24 |  | Lecture | Discuss the impact of health policies on pharmacy practice. | Seminar |  |
| 9 | Millennium Development Goals, SDGs, FIP Development Goals | 16/09/24 |  | Tutorial | Explain the relevance of global health goals to pharmacy. | Illustrated Lecture |  |
| 10 | Demography and Family Planning | 19/09/24 |  | Lecture | Discuss demographic trends and the pharmacist's role in family planning. | Lecture |  |
| 11 | Family Planning: Methods, Challenges | 20/09/24 |  | Lecture | Evaluate methods and challenges in family planning. | Group Discussion |  |
| 12 | Group Discussion: Family Planning & Demography | 21/09/24 |  | Lecture | Analyze case studies on family planning interventions. | Group Discussion |  |
| 13 | Mother & Child Health; Breastfeeding | 23/09/24 |  | Tutorial | Explain the importance of breastfeeding and risks of bottle feeding. | Lecture |  |
| 14 | Ill Effects of Infant Milk Substitutes and Bottle Feeding | 26/09/24 |  | Lecture | Identify health risks of infant milk substitutes and bottle feeding. | Case-based Learning |  |
| 15 | Overview of Vaccines | 27/09/24 |  | Lecture | Describe types of vaccines and their uses. | Illustrated Lecture |  |
| 16 | Seminar: Maternal & Child Health, Vaccines | 28/09/24 |  | Lecture | Discuss challenges in maternal health and immunization. | Seminar |  |
| 17 | Types of Immunity and Immunization | 30/09/24 |  | Tutorial | Differentiate between types of immunity and immunization practices. | Lecture |  |
| 18 | Immunization Programs: National Perspective | 03/10/24 |  | Lecture | Summarize India's immunization programs and pharmacist's involvement. | Case-based Learning |  |
| 19 | Water Pollution & Safe Drinking Water | 04/10/24 |  | Lecture | Identify waterborne diseases and prevention strategies. | Illustrated Lecture |  |
| 20 | Group Discussion: Immunization & Environmental Health | 05/10/24 |  | Lecture | Reflect on case scenarios involving immunization and water safety. | Group Discussion |  |
| 21 | Air, Noise Pollution, Sewage & Solid Waste Disposal | 07/10/24 |  | Tutorial | Explain the impact of pollution and waste on public health. | Lecture |  |
| 22 | Occupational Illnesses; Environmental Pollution due to Pharmaceuticals | 10/10/24 |  | Lecture | Analyze occupational health risks and pharmaceutical pollution. | Case-based Learning |  |
| 23 | Psychosocial Pharmacy: Drugs of Misuse & Abuse | 11/10/24 |  | Lecture | Discuss the social impact of drug abuse and pharmacist's preventive role. | Group Discussion |  |
| 24 | Group Discussion: Environmental & Psychosocial Health | 12/10/24 |  | Lecture | Reflect on environmental and psychosocial health issues. | Group Discussion |  |
| 25 | Alcohol & Tobacco: Social Impact, Productivity, Suicidal Behaviours | 14/10/24 |  | Tutorial | Explain the social and health impacts of alcohol and tobacco use. | Lecture |  |
| 26 | Basics of Nutrition: Macronutrients & Micronutrients | 17/10/24 |  | Lecture | Identify key macro- and micronutrients and their functions. | Illustrated Lecture |  |
| 27 | Importance of Water & Fibres in Diet | 18/10/24 |  | Lecture | Discuss the role of water and dietary fibre in health. | Class Seminar |  |
| 28 | Seminar: Nutrition & Health | 19/10/24 |  | Tutorial | Analyze dietary patterns and nutrition-related diseases. | Group Discussion |  |
| 29 | Balanced Diet, Malnutrition, Nutrition Deficiency Diseases | 21/10/24 |  | Lecture | Explain balanced diet and consequences of malnutrition. | Case-based Learning |  |
| 30 | Ill Effects of Junk Foods, Calorific & Nutritive Values, Food Fortification | 24/10/24 |  | Lecture | Assess the impact of junk foods and food fortification. | Lecture |  |
| 31 | Introduction to Food Safety, Adulteration, Artificial Ripening, Pesticides | 25/10/24 |  | Lecture | Identify food safety issues and their health implications. | Illustrated Lecture |  |
| 32 | Group Discussion: Food Safety & Nutrition | 26/10/24 |  | Tutorial | Discuss food adulteration and safety measures. | Group Discussion |  |
| 33 | Genetically Modified Foods | 28/10/24 |  | Lecture | Explain the benefits and risks of genetically modified foods. | Lecture |  |
| 34 | Dietary Supplements, Nutraceuticals, Drug-Food Interactions | 31/10/24 |  | Lecture | Discuss indications and interactions of dietary supplements and nutraceuticals. | Seminar |  |
| 35 | Seminar: Food Supplements & Interactions | 01/11/24 |  | Tutorial | Reflect on the safe use of supplements and food-drug interactions. | Group Discussion |  |
| 36 | Introduction to Microbiology & Common Microorganisms | 04/11/24 |  | Lecture | Describe common microorganisms relevant to pharmacy. | Lecture |  |
| 37 | Introduction to Epidemiology & Applications | 07/11/24 |  | Lecture | Explain epidemiological concepts and their applications. | Illustrated Lecture |  |
| 38 | Epidemiology: Epidemic, Pandemic, Endemic, Transmission, Outbreak, etc. | 08/11/24 |  | Lecture | Define key epidemiological terms and concepts. | Lecture |  |
| 39 | Seminar: Microbiology & Epidemiology | 09/11/24 |  | Tutorial | Discuss the pharmacist's role in infection prevention. | Group Discussion |  |
| 40 | Respiratory Infections: Chickenpox, Measles, Rubella, Mumps | 11/11/24 |  | Lecture | Identify symptoms and prevention of common respiratory infections. | Case-based Learning |  |
| 41 | Respiratory Infections: Influenza, SARS, COVID-19, Diphtheria, etc. | 14/11/24 |  | Lecture | Discuss prevention and pharmacist's role in respiratory epidemics. | Lecture |  |
| 42 | Respiratory Infections: Whooping Cough, Meningitis, TB, Ebola, ARI | 15/11/24 |  | Lecture | Describe clinical presentations and prevention strategies for respiratory infections. | Illustrated Lecture |  |
| 43 | Group Discussion: Respiratory Infections | 16/11/24 |  | Tutorial | Analyze case studies of respiratory infection outbreaks. | Group Discussion |  |
| 44 | Intestinal Infections: Poliomyelitis, Hepatitis, Cholera, Diarrhea, Typhoid | 25/11/24 |  | Lecture | Describe intestinal infections and public health measures. | Lecture |  |
| 45 | Intestinal Infections: Amebiasis, Worms, Food Poisoning | 28/11/24 |  | Lecture | Discuss prevention and management of intestinal infections. | Case-based Learning |  |
| 46 | Arthropod-borne Infections: Dengue, Malaria, Filariasis, Chikungunya | 29/11/24 |  | Lecture | Identify vector-borne diseases and pharmacist's preventive role. | Illustrated Lecture |  |
| 47 | Seminar: Intestinal & Arthropod-borne Infections | 30/11/24 |  | Tutorial | Discuss pharmacist's interventions in infection control. | Seminar |  |
| 48 | Surface Infections: Trachoma, Tetanus, Leprosy | 02/12/24 |  | Lecture | Explain the causes and prevention of surface infections. | Lecture |  |
| 49 | STDs, HIV/AIDS: Epidemiology and Prevention | 05/12/24 |  | Lecture | Discuss prevention and pharmacist's role in STDs and HIV/AIDS. | Case-based Learning |  |
| 50 | National Health Programs: Introduction & Overview | 06/12/24 |  | Lecture | Summarize the structure and objectives of national health programs in India. | Illustrated Lecture |  |
| 51 | Seminar: National Health Programs Overview | 07/12/24 |  | Tutorial | Discuss the role of pharmacists in national health programs. | Lecture |  |
| 52 | National Tuberculosis Control Program (NTP) | 09/12/24 |  | Lecture | Explain objectives and pharmacistâ€™s role in NTP. | Group Discussion |  |
| 53 | National Malaria Eradication Program (NMEP) | 12/12/24 |  | Lecture | Describe malaria control strategies and pharmacist involvement. | Seminar/Group Discussion |  |
| 54 | National AIDS Control Program (NACP) | 13/12/24 |  | Lecture | Summarize NACP goals and pharmacistâ€™s preventive role. | Class Seminar |  |
| 55 | Group Discussion: NTP, NMEP, NACP | 14/12/24 |  | Tutorial | Analyze challenges and pharmacist contributions in these programs. | Case-Based Learning |  |
| 56 | National Immunization Program (UIP) | 16/12/24 |  | Lecture | Discuss immunization strategies and pharmacistâ€™s role. | Lecture |  |
| 57 | National Leprosy Eradication Program | 19/12/24 |  | Lecture | Explain leprosy control and pharmacistâ€™s role. | Seminar/Group Discussion |  |
| 58 | National Family Welfare Program | 20/12/24 |  | Lecture | Describe family welfare initiatives and pharmacist involvement. | Group Discussion |  |
| 59 | Seminar: National Health Programs | 21/12/24 |  | Tutorial | Discuss integration of pharmacists in multiple health programs. | Lecture |  |
| 60 | Pharmacoeconomics: Introduction, Basic Terminologies | 23/12/24 |  | Lecture | Define pharmacoeconomics and key terms. | Group Discussion |  |
| 61 | Importance of Pharmacoeconomics in Healthcare | 26/12/24 |  | Lecture | Explain the significance of pharmacoeconomics in healthcare decision-making. | Seminar/Group Discussion |  |
| 62 | Cost-Minimization and Cost-Effectiveness Analysis | 27/12/24 |  | Lecture | Describe methods to evaluate healthcare costs and outcomes. | Lecture |  |
| 63 | Group Discussion: Pharmacoeconomics Applications | 28/12/24 |  | Tutorial | Analyze real-world examples of pharmacoeconomics in pharmacy. | Clinical Scenario |  |
| 64 | Cost-Benefit and Cost-Utility Analysis | 30/12/24 |  | Lecture | Differentiate between cost-benefit and cost-utility analyses. | Case-Based Learning |  |
| 65 | Introduction to Microbiology & Common Microorganisms | 02/01/25 |  | Lecture | Describe common microorganisms relevant to pharmacy. | Seminar/Group Discussion |  |
| 66 | Introduction to Epidemiology & Applications | 03/01/25 |  | Lecture | Explain epidemiological concepts and their applications. | Lecture |  |
| 67 | Seminar: Microbiology & Epidemiology | 04/01/25 |  | Tutorial | Discuss the pharmacist's role in infection prevention. | Group Discussion |  |
| 68 | Epidemiology: Epidemic, Pandemic, Endemic, Transmission, Outbreak, etc. | 09/01/25 |  | Lecture | Define key epidemiological terms and concepts. | Lecture |  |
| 69 | Respiratory Infections: Chickenpox, Measles, Rubella, Mumps | 10/01/25 |  | Lecture | Identify symptoms and prevention of common respiratory infections. | Seminar/Group Discussion |  |
| 70 | Group Discussion: Respiratory Infections | 11/01/25 |  | Tutorial | Analyze case studies of respiratory infection outbreaks. | Group Discussion |  |
| 71 | Respiratory Infections: Influenza, SARS, COVID-19, Diphtheria, etc. | 16/01/25 |  | Lecture | Discuss prevention and pharmacist's role in respiratory epidemics. | Lecture |  |
| 72 | Intestinal Infections: Poliomyelitis, Hepatitis, Cholera, Diarrhea, Typhoid | 17/01/25 |  | Lecture | Describe intestinal infections and public health measures. | Class Seminar |  |
| 73 | Seminar: Intestinal Infections | 18/01/25 |  | Tutorial | Discuss pharmacist's interventions in intestinal infection control. | Seminar/Group Discussion |  |
| 74 | Arthropod-borne Infections: Dengue, Malaria, Filariasis, Chikungunya | 23/01/25 |  | Lecture | Identify vector-borne diseases and pharmacist's preventive role. | Lecture |  |
| 75 | Surface Infections: Trachoma, Tetanus, Leprosy | 24/01/25 |  | Lecture | Explain causes and prevention of surface infections. | Group Discussion |  |
| 76 | Seminar: Surface Infections and Vector-Borne Diseases | 25/01/25 |  | Tutorial | Discuss prevention and pharmacist roles in surface and vector-borne infections. | Group Discussion |  |
| 77 | Sexually Transmitted Diseases (STDs): Epidemiology and Prevention | 30/01/25 |  | Lecture | Explain epidemiology and prevention strategies for STDs. | Lecture |  |
| 78 | HIV/AIDS: Epidemiology, Prevention, and Pharmacistâ€™s Role | 31/01/25 |  | Lecture | Describe HIV/AIDS epidemiology and pharmacistâ€™s role in management and prevention. | Illustrated Lecture |  |
| 79 | Group Discussion: STDs and HIV/AIDS | 01/02/25 |  | Tutorial | Analyze case studies on STDs and HIV/AIDS prevention and management. | Group Discussion |  |
| 80 | Health Systems in India: Structure and Functioning | 06/02/25 |  | Lecture | Describe the organization and functioning of health systems in India. | Lecture |  |
| 81 | Ongoing National Health Programs: Objectives and Outcomes | 07/02/25 |  | Lecture | Summarize key national health programs and their outcomes. | Case-based Learning |  |
| 82 | Seminar: National Health Programs and Pharmacistsâ€™ Roles | 08/02/25 |  | Tutorial | Discuss pharmacist contributions to national health initiatives. | Seminar |  |
| 83 | Pharmacoeconomics: Current Trends and Applications | 13/02/25 |  | Lecture | Explain current trends and applications of pharmacoeconomics in healthcare. | Illustrated Lecture |  |
| 84 | Cost Analysis in Pharmacoeconomics | 14/02/25 |  | Lecture | Describe methods of cost analysis in pharmacoeconomics. | Lecture |  |
| 85 | Group Discussion: Pharmacoeconomics Case Studies | 15/02/25 |  | Tutorial | Analyze pharmacoeconomic case studies relevant to pharmacy practice. | Group Discussion |  |
| 86 | Information Technology in Pharmacy: Overview | 20/02/25 |  | Lecture | Describe the role of IT in pharmacy practice. | Lecture |  |
| 87 | Digital Health Records and e-Prescriptions | 21/02/25 |  | Lecture | Demonstrate use of digital tools in pharmacy management. | Demonstration |  |
| 88 | Seminar: IT Applications in Pharmacy | 22/02/25 |  | Tutorial | Discuss benefits and challenges of IT in pharmacy. | Seminar |  |
| 89 | Case-Based Learning: Pharmacistâ€™s Role in Public Health | 27/02/25 |  | Lecture | Analyze real-world cases highlighting pharmacist contributions to public health. | Case-based Learning |  |
| 90 | Review of Key Concepts in Social Pharmacy | 28/02/25 |  | Lecture | Recap major topics and learning outcomes covered in the course. | Lecture |  |
| 91 | Group Discussion: Course Review and Q&A | 29/03/25 |  | Tutorial | Clarify doubts and consolidate knowledge from the course. | Group Discussion |  |
| 92 | Emerging Trends in Social Pharmacy | 03/04/25 |  | Lecture | Discuss recent developments and future directions in social pharmacy. | Illustrated Lecture |  |
| 93 | Professional Ethics and Responsibilities | 04/04/25 |  | Lecture | Explain ethical principles and professional responsibilities in pharmacy. | Lecture |  |
| 94 | Seminar: Ethics in Pharmacy Practice | 05/04/25 |  | Tutorial | Analyze ethical dilemmas and decision-making in pharmacy practice. | Seminar |  |
| 95 | Community Pharmacy Practice: Challenges and Opportunities | 10/04/25 |  | Lecture | Identify challenges and opportunities in community pharmacy. | Lecture |  |
| 96 | Patient Counseling and Communication Skills | 11/04/25 |  | Lecture | Demonstrate effective patient counseling techniques. | Group Discussion |  |
| 97 | Role-Play: Patient Counseling Scenarios | 12/04/25 |  | Tutorial | Practice communication skills in simulated patient counseling sessions. | Role-play |  |
| 98 | Health Promotion and Disease Prevention | 17/04/25 |  | Lecture | Explain pharmacistâ€™s role in health promotion and disease prevention. | Illustrated Lecture |  |
| 99 | Review and Integration of Course Content | 18/04/25 |  | Lecture | Integrate and apply knowledge gained throughout the course. | Lecture |  |
| 100 | Final Seminar and Course Feedback | 19/04/25 |  | Tutorial | Present final reflections and provide feedback on the course. | Seminar |  |

**Signature of the subject teacher HOD Director cum Principal**