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| **Performa : Hindu College of Pharmacy** |
| **Lesson Plan** |
| **Name of the faculty**  | **Preeti Garg** |
| **Discipline**  | **Pharmacy** |
| **Semester**  | **2nd Year** |
| **Subject**  | **Hospital & Clinical Pharmacy.** |
| **Lesson plan Duration**  | **25 weeks (Julyt22, 2019 to March 30, 2020)** |
| **Work Load/week(In hour)** | **Lecture- 03; Practical- 04** |
| **Week** | **Theory** | **Practical** |
| **Lecture Day** | **Topic** | **Practical Day** | **Topic** |
| **1st (JULY 4thweek)** | **1st**  | Hospitals Definition, Function, Classifications based on various criteria | **1st  (Batch A)** | To Operate Sterilization Equipments. |
| **2nd** | Organisation & Management of Hospital | **2nd (Batch B)** | ----do---- |
| **3rd** | Health delivery system inIndia. |
| **2nd (JULY5th week)** | **1st**  | Functions and objectives of Hospital Pharmaceutical services | **1st  (Batch A)** | To Operate Sterilization Equipments. |
| **2nd** | Location, Layout, Flow chart of material and men | **2nd (Batch B)** | ----do---- |
| **3rd** | Personnel and facilities requirements including equipments based on individual and basic needs |
| **3rd(AUG.1ST****week)** | **1st**  | Requirements and abilities required for Hospital pharmacists | **1st  (Batch A)** | Sterilization of conical flask, pipette, beaker etc. |
| **2nd** | Drug Distribution system in Hospitals :Out-patient services | **2nd (Batch B)** | ----do---- |
| **3rd** | In-patient services- types of services , unit Dose system, Floor ward stock system |
| **4th(AUG. 2nd week)** | **1st**  | Satellite pharmacy services, Central sterile services | **1st  (Batch A)** | Viva voca |
| **2nd** | Bed Side Pharmacy | **2nd (Batch B)** | ----do---- |
| **3rd** | Revision |
| **5th(AUG. 3rd week)** | **1st**  | Sterile manufacture-large and small volume parenterals | **1st  (Batch A)** | Sterilization of surgical dressings |
| **2nd** | facilities, requirements, layout production planning of parenterals | **2nd (Batch B)** | ----do---- |
| **3rd** | Non-sterile manufacture-Liquid orals, externals-bulk concentrates |
| **6th(AUG.4th week)** | **1st**  | Non-sterile manufacture-Liquid orals, externals-bulk concentrates | **1st  (Batch A)** | Sterilization of surgical dressings |
| **2nd** | Procurement of stores and testing of raw materials | **2nd (Batch B)** | ----do---- |
| **3rd** | Revision | **1st  (Batch A)** | Sterilization of surgical dressings |
| **7th(SEPT.1st  week)** | **1st**  | Nomenclature of surgical instruments |
| **2nd** |  Uses of surgical instruments | **2nd (Batch B)** | ----do---- |
| **3rd** | Hospital Equipments and health accessories |
| **8th(SEPT.2ND week)** | **1st**  | Revision | **1st  (Batch A)** | Viva Voca |
| **2nd** | P.T.C (Pharmacy Therapeutic Committee) | **2nd (Batch B)** | ----do---- |
| **3rd** | P.T.C (Pharmacy Therapeutic Committee) |
| **9th(SEPT.3RD week)** | **1st**  | Hospital Formulary System and their organisation | **1st  (Batch A)** | Sterilization of Rubber gloves. |
| **2nd** | functioning, composition of Hospital formulary system. | **2nd (Batch B)** | ----do---- |
| **3rd** | Drug Information service  |
| **10th(SEPT.4TH week)** | **1st**  | Drug Information Bulletin | **1st  (Batch A)** | Sterilization of Ryalstubes,Catheter) |
| **2nd** | Revision | **2nd (Batch B)** | ----do---- |
| **3rd** | Surgical dressing (cotton, gauze) |
| **11th(OCT.1STweek)** | **1st**  | Surgical dressing ( bandages and adhesive tapes) | **1st  (Batch A)** | Viva voca |
| **2nd** | Pharmacopoeial tests for quality of surgical dressings. | **2nd (Batch B)** | ----do---- |
| **3rd** | Pharmacopoeial tests for quality of surgical dressings. |
| **12th(OCT.2NDweek)** | **1st**  | Revision | **1st  (Batch A)** | Sterilization of syringes & needles. |
| **2nd** | Application of computer in Pharmacy | **2nd (Batch B)** | ----do---- |
| **3rd** | Application of computer in Pharmacy |
| **13th(OCT.3THweek)** | **1st**  | Clinical Pharmacy(Introduction Definition, scope) | **1st  (Batch A)** | Sterilization of different surgical instruments. |
| **2nd** | Pharmacists and Patient counselling | **2nd (Batch B)** | ----do---- |
| **3rd** | Advice to patient for the use of common drugs, medication history |
| 14th**(NOV. 1stweek)** | **1st**  | Common daily terminology used in the Practice of Medicine | **1st  (Batch A)** | To study the various health accessories. |
| **2nd** | Revision | **2nd (Batch B)** | ----do---- |
| **3rd** | Disease, manifestation and pathophysiology ofTuberculosis, Hepatitis, Epilepsy |
| 15th**(NOV. 3RDweek)** | **1st**  | Rheumatoid Arthritis, Diabetes, Peptic Ulcer | **1st  (Batch A)** | Viva voca |
| **2nd** | Cardiovascular diseases | **2nd (Batch B)** | ----do---- |
| **3rd** | Cardiovascular diseases |
| 16th**(NOV. 4TH week)** | **1st**  | Physiological parameters with their significance | **1st  (Batch A)** | To study Physiological Significance of major electrolytes. |
| **2nd** | Physiological parameters with their significance | **2nd (Batch B)** | ----do---- |
| **3rd** | Revision |
| 17th**(DEC. 1ST week)** | **1st**  | Mechanism of Drug Interaction | **1st  (Batch A)** | To Prepare water for injection. |
| **2nd** | Mechanism of Drug Interaction | **2nd (Batch B)** | ----do---- |
| **3rd** | Drug-drug interaction  |
| 18th**(DEC.2NDweek)** | **1st**  | Drug-drug interaction | **1st  (Batch A)** | To Prepare Normal saline solution(0.9%NaCl) &(5% dextrose) |
| **2nd** | Drug-drug interaction | **2nd (Batch B)** | ----do---- |
| **3rd** | Drug-food interaction |
| 19th**(JAN.2NDweek)** | **1st**  | Adverse Drug Reactions | **1st  (Batch A)** | To prepare compound sodium chloride injection I.P |
| **2nd** | Adverse Drug Reactions | **2nd (Batch B)** | ----do---- |
| **3rd** | Drug-induced diseases |
| 20th**(JAN.3RDweek)** | **1st**  | Drug-induced diseases | **1st  (Batch A)** | Viva voca |
| **2nd** | Teratogenicity | **2nd (Batch B)** | ----do---- |
| **3rd** | Revision |
| 21st**(JAN.4THweek)** | **1st**  | General treatment of poisoning, systematic antidotes | **1st  (Batch A)** | To prepare compound sodium Lactate injection I.P |
| **2nd** | Treatment of insecticide poisoning,Organophosphours poisoning. | **2nd (Batch B)** | ----do---- |
| **3rd** | Heavy metal poisoning |
| 22nd**(FEB. 2NDweek)** | **1st**  | Narcotic drugs poisoning | **1st  (Batch A)** | To prepare mannitol & Sodium bicarbonate I.V Infusion. |
| **2nd** | Revision | **2nd (Batch B)** | ----do---- |
| **3rd** | Drug dependences, Drug abuse |
| 23rd**(FEB. 3RDweek)** | **1st**  | Drug dependences, Drug abuse | **1st  (Batch A)** | Viva voca |
| **2nd** | Addictive drugs and their treatment | **2nd (Batch B)** | ----do---- |
| **3rd** | Addictive drugs and their treatment |
| 24th**(FEB. 4THweek)** | **1st**  | Revision | **1st  (Batch A)** | To perform test for Absorbent cotton wool |
| **2nd** | Bioavailability of drugs | **2nd (Batch B)** | ----do---- |
| **3rd** | Bioavailability of drugs |
| 25th**(MAR. 1st week)** | **1st**  | factors affecting Bioavailability | **1st  (Batch A)** |  To study Use of computer in pharmacy |
| **2nd** | factors affecting Bioavailability | **2nd (Batch B)** | ----do---- |
| **3rd** |  Revision |

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