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| **Performa : Hindu College of Pharmacy** |
| **Lesson Plan** |
| **Name of the faculty**  | **Vineet Vashist** |
| **Discipline**  | **Pharmacy** |
| **Semester**  | **2nd Year** |
| **Subject**  | **PHARMACEUTICS-II** |
| **Lesson plan Duration**  | **25 weeks (july , 2019 to April , 2020)** |
| **Work Load/week(In hour)** | **Lecture- 03; Practical- 08** |
| **Week** | **Theory** | **Practical** |
| **Lecture Day** | **Topic** | **Practical Day** | **Topic** |
| **1st (JULY3rd week)** | **1st**  | Prescriptions-Reading and understanding of prescription | **1st  (Batch A)** | Pharmacist OATHGeneral InstructionsPrescriptionLatin Terms. |
| **2nd** | Latin terms, Modern methods of prescribing | **2nd (Batch B)** | ----do---- |
| **3rd**  | Metric System.Calculations involved in dispensing. |  |  |
| **2nd (JULY4th week)** | **1st**  | Incompatibilities | **1st  (Batch A)** | Preparation of Simple Syrup,Ginger SyrupChloral hydrate elixir. |
| **2nd** | Types of incompatibilities | **2nd (Batch B)** | ----do---- |
| **3rd**  | Physical Incompatibility |  |  |
| **3rd(JULY 5TH/AUG.1ST** **week)** | **1st**  | Chemical incompatibilities | **1st  (Batch A)** | Preparation of Gargle& Mouthwash |
| **2nd** | Chemical incompatibilities | **2nd (Batch B)** | ----do---- |
| **3rd**  | Chemical incompatibilities |  |  |
| **4th(AUG. 2nd week)** | **1st**  | Therapeutic incompatibilities | **1st  (Batch A)** | Preparation of Enema & Mucilage |
| **2nd** | Test of Incompatibilities | **2nd (Batch B)** | ----do---- |
| **3rd**  | Posolgy Calculations of doses |  |  |
| **5th(AUG. 3rd week)** | **1st**  | Factors influencing dose | **1st  (Batch A)** | *Viva –voca & File check* |
| **2nd** | Types of powders | **2nd (Batch B)** | ----do---- |
| **3rd**  | Types of powders |  |  |
| **6th(AUG.4th week)** | **1st**  | Preparation of different types of powders | **1st  (Batch A)** | Preparation of Inhalations |
| **2nd** | Weighing methods, possible errors in weighing | **2nd (Batch B)** | ----do---- |
| **3rd**  |  minimum weighable amounts |  |  |
| **7th(AUG.5TH week)** | **1st**  | care of dispensing balance. | **1st  (Batch A)** | Preparation of Eye drops |
| **2nd** | Monophasic liquid dosage forms(Mixtures and concentrates | **2nd (Batch B)** | ----do---- |
| **3rd**  | Gargles, Syrups. |  |  |
| **8th(SEPT.2ND week)** | **1st**  | Mouth washesThroat-paints | **1st  (Batch A)** | Preparation of Ear drops. |
| **2nd** | DouchesElixirs Ear Drops | **2nd (Batch B)** | ----do---- |
| **3rd**  | Nasal drops & Sprays, Liniments Lotions. |  |  |
| **9th(SEPT.3RD week)** | **1st**  | Suspensions./ Flocculated & deflocculated suspensions | **1st  (Batch A)** | Viva-voca & file check. |
| **2nd** | Preparation of Suspensions containing diffusible solids/Indiffusible solids | **2nd (Batch B)** | ----do---- |
| **3rd**  | Suspensions of precipitate forming liquids/ by chemical reaction |  |  |
| **10th(SEPT.4TH week)** | **1st**  | Test of Suspensions | **1st  (Batch A)** | Preparation of Liniments |
| **2nd** | formulation of emulsions | **2nd (Batch B)** | ----do---- |
| **3rd**  | identification of emulsion system |  |  |
| **11th(SEPT.5TH week)** | **1st**  | Instabilities in emulsions | **1st  (Batch A)** | Preparation of lotions |
| **2nd** | Preservation of emulsions. | **2nd (Batch B)** | ----do---- |
| **3rd**  | Emulsifying Agents |  |  |
| **12th(OCT.1ST week)** | **1st**  | Test of Emulsions. | **1st  (Batch A)** | Preparation of Emulsions |
| **2nd** | Types of ointments | **2nd (Batch B)** | ----do---- |
| **3rd**  | selection of dermatological vehicles |  |  |
| **13th(OCT.2ND week)** | **1st**  | selection of dermatological vehicles | **1st  (Batch A)** | Preparation of Suspensions |
| **2nd** | Preparation of ointments | **2nd (Batch B)** | ----do---- |
| **3rd**  | stability of ointments |  |  |
| 14th**(NOV.3rd  week)** | **1st**  | Bases of paste | **1st  (Batch A)** | Preparation of Suspensions |
| **2nd** | Preparation of pastes and their preservation. | **2nd (Batch B)** | ----do---- |
| **3rd**  | different types of jellies and their preparation. |  |  |
| 15th**(NOV.4TH week)** | **1st**  | Test of Ointments. | **1st  (Batch A)** | Viva-voca & file check |
| **2nd** | types of suppositories, suppository bases | **2nd (Batch B)** |  |
| **3rd**  | Preparation and packing of suppositories, |  |  |
| 16th**(DEC.2ND week)** | **1st**  | Use of suppositories for drug absorption. | **1st  (Batch A)** | Preparation of ointments |
| **2nd** | Test of suppositories | **2nd (Batch B)** | ----do---- |
| **3rd**  | Classification of Cosmetics |  |  |
| 17th**(DEC.3RD week)** | **1st**  | Dentrifices | **1st  (Batch A)** | Preparation of Antiseptic cream |
| **2nd** | Face Powders | **2nd (Batch B)** | ----do---- |
| **3rd**  | Cold Creams |  |  |
| 18th**( JAN.2ND week)** | **1st**  | Cleansing creams | **1st  (Batch A)** | Preparation of Cold cream |
| **2nd** | Tutorial/Test | **2nd (Batch B)** | ----do---- |
| **3rd**  | Vanishing Creams &foundation creams |  |  |
| 19th**(JAN.3RD week)** | **1st**  | Moisturising creams & lipsticks | **1st  (Batch A)** | Viva-voca &File Check |
| **2nd** | Shaving creams. | **2nd (Batch B)** | ----do---- |
| **3rd**  | Deodorants, Antiperspirants |  |  |
| 20th**(JAN.4TH /5TH week)** | **1st**  | Hair dressings & hair removers | **1st  (Batch A)** | Preparation of Paste |
| **2nd** | Antidandruff preparation | **2nd (Batch B)** | ----do---- |
| **3rd**  | Tutorial/Test |  |  |
| 21st**(FEB.2ND /3RD week)** | **1st**  | Types of parenteral formulations. | **1st  (Batch A)** | Preparation of Jelly |
| **2nd** | Formulation of Parenteral preparation | **2nd (Batch B)** | ----do---- |
| **3rd**  | Quality control of parenterals |  |  |
| 22nd **(FEB.4TH week)** | **1st**  | Preparation of Intravenous fluids and admixtures | **1st  (Batch A)** | Viva-voca &File Check |
| **2nd** | Dialysis fluids | **2nd (Batch B)** | ----do---- |
| **3rd**  | Sterility testing |  |  |
| 23rd **(MAR.2ND week)** | **1st**  | Particulate matter monitoringFaulty seal packaging. | **1st  (Batch A)** | Preparation of Powders |
| **2nd** | Tutorial/Test | **2nd (Batch B)** | ----do---- |
| **3rd**  | Test of Sterile dosage forms |  |  |
| 24th **(MAR.5 TH week)** | **1st**  | Types of Opthalmic Preparation | **1st  (Batch A)** | Incompatibility |
| **2nd** | Eye suspensions & Eye ointments | **2nd (Batch B)** | ----do---- |
| **3rd**  | Formulation additives in Opthalmic preparation. |  |  |
| 25th **(APR.1ST week)** | **1st**  | Opthalmic Inserts | **1st  (Batch A)** | Viva-voca &File Check |
| **2nd** | special precautions in handling and storage of ophthalmic products. | **2nd (Batch B)** | ----do---- |
| **3rd**  | Tutorial/Test |  |  |