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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 OATH  General Instructions  Prescription  Latin 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 Syrup  Chloral 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 washes  Throat-paints | **1st  (Batch A)** | Preparation of Ear drops. |
| **2nd** | Douches  Elixirs 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 monitoring  Faulty 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 |  |  |