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| **Performa : Hindu College of Pharmacy** |
| **Lesson Plan** |
| **Name of the faculty**  | **Mrs. Jyoti** |
| **Discipline**  | **Pharmacy** |
| **Semester**  | **1st Year** |
| **Subject**  | **Pharmacognosy** |
| **Lesson plan Duration**  | **25 weeks (August 5, 2019 to March 30, 2019)** |
| **Work Load/week(In hour)** | **Lecture- 03; Practical- 09** |
| **Week** | **Theory** | **Practical** |
| **Lecture Day** | **Topic** | **Practical Day** | **Topic** |
| **1st (August 1st week)** | **1st**  | History of Pharmacognosy | **1st  (Batch A)** | Study of microscope & its parts |
| **2nd** | Scope of Pharmacognosy | **2nd (Batch B)** | ----do---- |
| **3rd**  | Development of Pharmacognosy including indigenous system of medicine. | **3rd (Batch C)** | ----do---- |
| **2nd (August 2nd week)** | **1st**  | Tutorial/Test | **1st  (Batch A)** | Pharmacognosy of Coriander and fennel |
| **2nd** | Alphabetical, chemical and taxonomical classification of drugs | **2nd (Batch B)** | ----do---- |
| **3rd**  | Morphological and Pharma-cological classification of drugs | **3rd (Batch C)** | ----do---- |
| **3rd(August 3rd week)** | **1st**  | Tutorial/Test | **1st  (Batch A)** | Pharmacognosy of Cinnamon and Cardamom |
| **2nd** | Isolation, Identification and applications of alkaloids | **2nd (Batch B)** | ----do---- |
| **3rd**  | Isolation, Identification and applications of glycosides | **3rd (Batch C)** | ----do---- |
| **4th(August 4th week)** | **1st**  | Tutorial/Test | **1st  (Batch A)** | Pharmacognosy of Nutmeg and Tulsi |
| **2nd** | Isolation, Identification and applications of terpenoids | **2nd (Batch B)** | ----do---- |
| **3rd**  | Isolation, Identification and applications of Volatile oils | **3rd (Batch C)** | ----do---- |
| **5th(September 1st week)** | **1st**  | Isolation, Identification and applications of tannins | **1st  (Batch A)** | Pharmacognosy of Ginger and Clove |
| **2nd** | Isolation, Identification and applications of Resin | **2nd (Batch B)** | ----do---- |
| **3rd**  | Tutorial/Test | **3rd (Batch C)** | ----do---- |
| **6th(September 2nd week)** | **1st**  | Aloes, Rhuburb | **1st  (Batch A)** | Pharmacognosy of Rhubarb and Aloe |
| **2nd** | Castor oil, Ispaghula | **2nd (Batch B)** | ----do---- |
| **3rd**  | Senna, Digitalis | **3rd (Batch C)** | ----do---- |
| **7th(September 3rd week)** | **1st**  | Arjuna, Coriander | **1st  (Batch A)** | Pharmacognosy of Senna and Isabgol |
| **2nd** | Fennel, Ajowan | **2nd (Batch B)** | ----do---- |
| **3rd**  | Cardamom, Ginger | **3rd (Batch C)** | ----do---- |
| **8th(Septemer 4th week)** | **1st**  | Tutorial/Test | **1st  (Batch A)** | Pharmacognosy of Digitalis and Arjuna |
| **2nd** | Black pepper, Asafoetida | **2nd (Batch B)** | ----do---- |
| **3rd**  | Nutmeg, Cinnamon | **3rd (Batch C)** | ----do---- |
| **9th(October 1st week)** | **1st**  | Clove, catechu | **1st  (Batch A)** | Pharmacognosy of Turmeric and Neem |
| **2nd** | Hyoscyamus, Belladonna | **2nd (Batch B)** | ----do---- |
| **3rd**  | Aconite, Ashwagandha | **3rd (Batch C)** | ----do---- |
| **10th(October 2nd week)** | **1st**  | Ephedra, Opium | **1st  (Batch A)** | Pharmacognosy of Rauwolfia and Ipecac |
| **2nd** | Cannabis, Nux vomica | **2nd (Batch B)** | ----do---- |
| **3rd**  | Tutorial/Test | **3rd (Batch C)** | ----do---- |
| **11th(October 3rd week)** | **1st**  | Rauwolfia, Vasaka | **1st  (Batch A)** | Pharmacognosy of Aconite and Ashwagandha |
| **2nd** | Vasaka, Tolu balsam | **2nd (Batch B)** | ----do---- |
| **3rd**  | Tulsi, Vinca | **3rd (Batch C)** | ----do---- |
| **12th(October 4th week)** | **1st**  | Guggul, Colchicum | **1st  (Batch A)** | Pharmacognosy of Ephedra and Opium |
| **2nd** | Chaulmoogra Oil, Pterocarpus | **2nd (Batch B)** | ----do---- |
| **3rd**  | Gymnema sylvestris, Ipecac | **3rd (Batch C)** | ----do---- |
| **13th(October 5th week)** | **1st**  | Tutorial/Test | **1st  (Batch A)** | Pharmacognosy of Nuxvomica and colchicum |
| **2nd** | Gokhru, Punarrnava | **2nd (Batch B)** | ----do---- |
| **3rd**  | Benzoin, Myrrh | **3rd (Batch C)** | ----do---- |
| 14th**(November 1st week)** | **1st**  | Neem, curcuma | **1st  (Batch A)** | Pharmacognosy of Catharanthus |
| **2nd** | Cinchona, Ergot | **2nd (Batch B)** | ----do---- |
| **3rd**  | Shark liver Oil, Amla | **3rd (Batch C)** | ----do---- |
| 15th**(November 3rd week)** | **1st**  | Papaya, Diastase | **1st  (Batch A)** | Pharmacognosy of Ergot |
| **2nd** | Yeast, Peppermint Oil | **2nd (Batch B)** | ----do---- |
| **3rd**  | Tutorial/Test | **3rd (Batch C)** | ----do---- |
| 16th**(November 4th week)** | **1st**  | Collection of crude drugs | **1st  (Batch A)** | Pharmacognosy of Amla |
| **2nd** | Preparation of crude drugs | **2nd (Batch B)** | ----do---- |
| **3rd**  | Collection & preparation of Ergot | **3rd (Batch C)** | ----do---- |
| 17th**(November 5th week)** | **1st**  | Collection & preparation of opium, Senna | **1st  (Batch A)** | Pharmacognosy of Garlic and Glycyrrhiza |
| **2nd** | Collection & preparation of Rauwolfia, Digitalis | **2nd (Batch B)** | ----do---- |
| **3rd**  | Study of cotton and wool | **3rd (Batch C)** | ----do---- |
| 18th**(December 1st week)** | **1st**  | Study of silk and regenerated fibres | **1st  (Batch A)** | Microscopy of Fennel |
| **2nd** | Tutorial/Test | **2nd (Batch B)** | ----do---- |
| **3rd**  | Adulteration, types and method of adulteration | **3rd (Batch C)** | ----do---- |
| 19th**(December 2nd week)** | **1st**  | Evaluation and significance of Pharmacopoeial standards | **1st  (Batch A)** | Microscopy of Coriander |
| **2nd** | Anatomical studies of Senna, Datura | **2nd (Batch B)** | ----do---- |
| **3rd**  | Anatomical study of Cinnamon, Cinchona | **3rd (Batch C)** | ----do---- |
| 20th**(January 2nd week)** | **1st**  | Anatomical study of Fennel, Clove, Ginger | **1st  (Batch A)** | Microscopy of Clove |
| **2nd** | Anatomical study of Nux vomica & Ipecacuanha | **2nd (Batch B)** | ----do---- |
| **3rd**  | Tutorial/Test | **3rd (Batch C)** | ----do---- |
| 21st**(January 3rd week)** | **1st**  | Lemon Oil, Orange Oil | **1st  (Batch A)** | Microscopy of Cinnamon bark |
| **2nd** | Lemon grass Oil, sandalwood. | **2nd (Batch B)** | ----do---- |
| **3rd**  | Honey, Arachis Oil | **3rd (Batch C)** | ----do---- |
| 22nd**(January 4th week)** | **1st**  | Starch | **1st  (Batch A)** | Study of absorbent cotton |
| **2nd** | Kaolin, Pectin | **2nd (Batch B)** | ----do---- |
| **3rd**  | Olive oil, Lanolin | **3rd (Batch C)** | ----do---- |
| 23rd**(January 5th week)** | **1st**  | Beeswax, Acacia | **1st  (Batch A)** | Study of Silk fibres |
| **2nd** | Tutorial/Test | **2nd (Batch B)** | ----do---- |
| **3rd**  | Tragacanth, Sodium alginate | **3rd (Batch C)** | ----do---- |
| 24th**(February 2nd week)** | **1st**  | Agar, Guar gum | **1st  (Batch A)** | Study of wool fibres |
| **2nd** | Gelatin, Liquorice | **2nd (Batch B)** | ----do---- |
| **3rd**  | Picrorhiza, Dioscorea | **3rd (Batch C)** | ----do---- |
| 25th **(February 3rd week)** | **1st**  | Linseed, Shatavari | **1st  (Batch A)** | Final record submission/ practice turn  |
| **2nd** | Shankhapusphi, Pyrethrum, Tobacco | **2nd (Batch B)** | ----do---- |
| **3rd**  | Tutorial/Test | **3rd (Batch C)** | ----do---- |