**Lesson Plan**

**Name of Faculty: karan rana**

**Discipline: Pharmacy**

**Semester: I Year**

**Subject: Pharmacognosy**

Lesson plan Duration: 15 Week (august 2017 to April 2018)

Work Load (Lecturer/Practical) per week (in hour) Lecture 03, Practical 04 + 04(Two batches)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Week | Theory | |  | Practical |
|  | Days | Topic (including Assignment Test) |  | Topics |
| 1 | 1 | Drug adulteration. |  | Honey. Archis Oil. Starch |
|  | 2 | Types of adulteration. |  |  |
|  | 3 | Drug evaluation. |  |  |
| 2 | 4 | Biological evaluation |  | Kaolin. Pectin, Olive Oil |
|  | 5 | Drug, technical products. |  |  |
|  | 6 | Pharmaceutical aid from plant. |  |  |
| 3 | 7 | Pharmaceutical aid from animals. |  | Lalolin, Bees Wax, Accacia |
|  | 8 | Cardiotonics : Arjuna. |  |  |
|  | 9 | Digitalis in detail. |  |  |
| 4 | 10 | Anti – rheumatics. |  | Tragacanth, Sodium Algenate |
|  | 11 | Oxytosic. |  |  |
|  | 12 | Life cycle of Ergot. |  |  |
| 5 | 13 | Pharmaceutical aid . |  | Agar. Guar Gum. Gelatin. |
|  | 14 | Honey &. |  |  |
|  | 15 | Starch |  |  |
| 6 | 16 | Arachis oil. |  | Microscopy of Senna |
|  | 17 | Kaolin, Pectin. |  |  |
|  | 18 | Olive oil , Lanolin. |  |  |
| 7 | 19 | Bees wax , |  | Microscopy of Cinchona |
|  | 20 | Acacia. |  |  |
|  | 21 | Tragacanth. |  |  |
| 8 | 22 | Sodium alginate , Agar. |  | Microscopy of Cinnamon |
|  | 23 | Guar gum. |  |  |
|  | 24 | Gelatin. |  |  |
| 9 | 25 | Fibres , classification. |  | Microscopy of fEnnel |
|  | 26 | Test of fibres. |  |  |
|  | 27 | Absorbent cotton. |  |  |
| 10 | 28 | Flax , Hemp. |  | Microscopy of colve |
|  | 29 | Jute , Wool. |  |  |
|  | 30 | Silk , Nylon. |  |  |
| 11 | 31 | Surgical dressings. |  | Microscopy of ginger |
|  | 32 | Sutures. |  |  |
|  | 33 | Gross anatomical studies of Senna. Datura |  |  |
| 12 | 34 | Gross anatomical studies of Datura. |  | Microscopy of Ipecac |
|  | 35 | Gross anatomical studies of Cinnamon. |  |  |
|  | 36 | Gross anatomical studies of Cinchona. |  |  |
| 13 | 37 | Gross anatomical studies of Fennel. |  | Dhatura Microscopy |
|  | 38 | Gross anatomical studies of Clove. |  |  |
|  | 39 | Gross anatomical studies of Ginger. |  |  |
| 14 | 40 | Gross anatomical studies of Nux vomica. |  | Fibres and surgical dressings |
|  | 41 | Gross anatomical studies of Ipecacuanha. |  |  |
|  | 42 | Test Assignment |  |  |
| 15 | 43 | Test Assignment |  | Ergot, Benzoin and Myrrh |
|  | 44 | Test Assignment |  |  |
|  | 45 | Test Assignment |  |  |