**SAT PRIYA COLLEGE OF PHARMACY, ROHTAK**

**LESSON PLAN**

**D.Pharmacy 1st yr. (session 2021-22)**

**Subject- Pharmacognsoy**

**Name of Faculty- Ms. Chetna Verma**

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| **S.No.** | **Days** | **Theory Topic** | **Practical Topic** |
|  | 28-10-2021 to 03-11-2021 | Definition, history, present status and scope of Pharmacognosy | To study morphological identification of Ispagula. |
|  | 08-11-2021 to 13-11-2021  (Quiz/Oral test on wednesday) | Classification of drugs: ● Alphabetical ● Taxonomical ● Morphological ● Pharmacological ● Chemical ● Chemo-taxonomical |
|  | 15-11-2021 to 20-11-2021 | Quality control of crude drugs: ● Different methods of adulteration of crude drugs ● Evaluation of crude drugs |
|  | 22-11-2021 to 23-11-2021 | Brief outline of occurrence, distribution, isolation, identification tests, therapeutic activity and pharmaceutical applications of alkaloids, terpenoids, | To study morphological identification of cardamom  and cinchona |
|  | 24-11-2021 to 29-11-2021 | Conduct of Induction Program 2021 | |
|  | 30-11-2021 to 04-12-2021 | Brief outline of occurrence, distribution, isolation, identification tests, therapeutic activity and pharmaceutical applications of alkaloids, terpenoids | To study morphological identification of Fennel. |
|  | 06-12-2021 to 11-12-2021  (Quiz/Oral test on wednesday) | Brief outline of occurrence, distribution, isolation, identification tests, therapeutic activity and pharmaceutical applications of tannins and resins. |
|  | 12-12-2021 | Welcome Fresher’s Party 2021 |  |
|  | 13-12-2021 to 18-12-2021 | Cardiotonic: Digitalis, Arjuna  Carminatives and G.I. regulators: Coriander, Fennel, Cardamom, Ginger, Clove, Black  Tea leaves, Coffee seeds, Coca | To study transverse section of  Cinnamon |
|  | 20-12-2021 to 23-12-2021 | Revision for 1st sessional exams and problem discussion | |
|  | 23-12-2021 to 31-12-2021 | **Conduct of 1st Internal assessment Exam** | |
|  | 01-01-2022 to 02-01-2022 | Extracurricular activity- Khelo-India Cricket Tournament | |
|  | 03-01-2022 to 08-01-2022 | Carminative and GI regulators- Pepper, Asafoetida, Nutmeg, Cinnamon  Astringents: Myrobalan, Black Catechu, Pale Catechu | To study morphological identification of Coriander. |
|  | 10-01-2022 to 15-01-2022 | Drugs acting on nervous system: Hyoscyamus, Belladonna, Ephedra, Opium |
|  | 17-01-2022 to 22-01-2022 | Anti-hypertensive: Rauwolfia  Anti-tussive: Vasaka, Tolu Balsam | To study transverse section of  clove |
|  | 24-01-2022 to 29-01-2022 | Anti-rheumatics Colchicum seed  Anti-tumour: Vinca, Podophyllum | To study morphological identification of cinnamon and curcuma |
|  | 31-01-2022 to 05-02-2022  (Quiz/Oral test on wednesday) | Antiseptics and disinfectants: Benzoin, Myrrh, Neem, Turmeric Oxytocic: Ergot |
|  | 07-02-2022 to 12-02-2022 | Antidiabetics: Pterocarpus, Gymnema Diuretics: Gokhru, Punarnava | To perform chemical test of Asafoetida |
|  | 14-02-2022 to 19-02-2022 | Anti-dysenteric: Ipecacuanha  Antimalarials Cinchona, Artemisia |
|  | 21-02-2022 to 26-02-2022  (Seminar on Friday) | Vitamins: Cod liver oil, Shark liver oil Enzymes: Papaya, Diastase, Pancreatin, Yeast | To perform chemical test of tragacanth |
|  | 28-02-2022 to 05-03-2022  (Quiz/Oral test on wednesday) | Miscellaneous: Squill, Galls, Ashwagandha, Tulsi, Guggul |
|  | 07-03-2022 to 12-03-2022 | Pharmaceutical Aids: Kaolin, Lanolin, Beeswax, Acacia, Tragacanth, Sodium alginate, Agar, Guar gum, Gelatine | To perform chemical test of Acacia. |
|  | 14-03-2022 to 19-03-2022 | Plant fibres used as surgical dressings: Cotton, silk, wool and regenerated fibres Sutures – Surgical Catgut and Ligatures |
|  | 21-03-2022 to 25-03-2022 | **Conduct of 2nd Internal assessment Exam** | |
|  | 28-03-2022 to 02-04-2022 | Basic principles involved in the traditional systems of medicine like: Ayurveda, Siddha, Unani and Homeopathy |  |
|  | 04-04-2022 to 09-04-2022  (Quiz/Oral test on wednesday) | Method of preparation of Ayurvedic formulations like: Arista, Asava, Gutika, Taila, Churna, Lehya and Bhasma | To study transverse section of  cinchona |
|  | 11-04-2022 to 16-04-2022 | Role of medicinal and aromatic plants in national economy and their export potential  Introduction to herbal formulations | To perform chemical test of gelatin |
|  | 18-04-2022 to 22-04-2022 | Herbs as health food: Brief introduction and therapeutic applications of Nutraceuticals Antioxidants, Pro-biotics, Pre-biotics |  |
|  | 23-04-2022 | Field visit |  |
|  | 25-04-2022 to 30-04-2022  (Seminar on Friday) | Dietary fibres, Omega-3-fatty acids, Spirulina, | To study transverse section of  coriander |
|  | 02-05-2022 to 07-05-2022  (Quiz/Oral test on wednesday) | Carotenoids Soya and Garlic |
|  | 09-05-2022 to 14-05-2022 | Herbal cosmetics:: Sources, chemical constituents, commercial preparations, therapeutic and cosmetic uses of Aloe vera gel, | To perform chemical test of curcuma |
|  | 16-05-2022 to 21-05-2022 | Herbal cosmetics:: Sources, chemical constituents, commercial preparations, therapeutic and cosmetic uses of Almond oil | To study transverse section of  Liquorice |
|  | 23-05-2022 to 28-05-2022  (Seminar on Friday) | Sources, chemical constituents, commercial preparations, therapeutic and cosmetic uses of Lavender oil, Olive oil, Rosemary oil, Sandal Wood oil | To perform chemical test of benzoin |
|  | 30-05-2022 to 04-06-2022 | Phytochemical investigation of drugs | Revision |
|  | From 04-06-2022 | Revision and problem discussion |  |