

LESSON PLAN

Name of the Faculty : Inderjeet Kaur

Discipline : D. Pharmacy

Year : 1ST YEAR

Subject : Social Pharmacy

Lesson Plan Duration : December 2023

| WEEK | THEORY | | PRACTICAL | |
|-----------------|-------------|---|---------------|--|
| | LECTURE DAY | TOPIC HEADLINE | PRACTICAL DAY | TOPIC |
| 1 st | 1 | Nutrition and Health and Basics of nutrition | | |
| 2 nd | 1 | Macronutrients and Micronutrients | 1 | To study Emergency treatment for dog bite |
| | 2 | Importance of Water and Fibres in diet | | |
| | 3 | Balanced diet and Malnutrition | | |
| | TUTORIAL | REVISION | | |
| 3 rd | 1 | Nutrition Deficiency Diseases | 2 | To study Emergency treatment for fractures |
| | 2 | Ill effects of Junk Foods | | |
| | TUTORIAL | Calorific and Nutritive values of various foods | | |
| 4 th | 1 | Fortification 'of food | 3 | To study Emergency treatment for burns |
| | 2 | Introduction to Food Safety | | |
| | 3 | Adulteration of Foods | | |
| | TUTORIAL | Effects of Artificial Ripening | | |
| 5 th | 1 | REVISION | 4 | To study Emergency treatment for epilepsy |
| | 2 | Use of pesticides | | |
| | 3 | Genetically Modified Foods | | |
| | TUTORIAL | Dietary supplements, Nutraceuticals, Food supplements | | |

I. Kaur

LESSON PLAN

Name of the Faculty : Ms. Inderjeet Kaur

Discipline : D. Pharmacy

Year : 1ST YEAR

Subject : Pharmacognosy

Lesson Plan Duration : December 2023

| WEEK | THEORY | | PRACTICAL | |
|-----------------|-------------|--|---------------|--|
| | LECTURE DAY | TOPIC HEADLINE | PRACTICAL DAY | TOPIC |
| 1 st | 1 | Method of preparation of Ayurvedic formulations like: Arista | | |
| 2 nd | 1 | Asava, Gutika | 1 | To perform the morphological study and identification of Asafoetid |
| | 2 | Taila, Churna | | |
| | 3 | Lehya and Bhasma | | |
| | TUTORIAL | REVISION | | |
| 3 rd | 1 | Export potential of medicinal plants in national economy | 2 | To study microscopy character of Coriander |
| | 2 | Export potential of aromatic plants in national economy | | |
| | TUTORIAL | REVISION | | |
| 4 th | 1 | Herbs as health food | 3 | To perform the microscopy of Clove |
| | 2 | Brief introduction of Nutraceuticals | | |
| | 3 | Therapeutic applications of Nutraceuticals | | |
| | TUTORIAL | Brief introduction of Antioxidants | | |
| 5 th | 1 | Therapeutic applications of Antioxidants | 4 | To perform the microscopy of Turmeric |
| | 2 | Brief introduction of Pro-biotics | | |
| | TUTORIAL | REVISION | | |

I. Kaur

LESSON PLAN

Name of Faculty : Mrs. Sherry
 Discipline : D. PHARMACY
 Semester/year : 1st year
 Subject : Pharmaceutics-I (THEORY & PRACTICAL),
 Lesson Plan Duration: December 2023
 Work Load per Week: (03 lectures per week + 01 Tutorial) & one practical per week

| Week | Theory | | Practical |
|----------------------------------|-------------|--|--|
| | Lecture day | Topic (Including Assignment/Test) | Experiments (Including Sessional Exam) |
| 1 st week of December | T | Elixir, Solution (Definition, Formulation and Container, labelling, storage) | To Prepare and Submit Castor oil Emulsion. |
| | 1 | Emulsions (Definition, Advantages and classification of Emulsion and emulsifying agent) | |
| 2 nd week of December | 1 | Preparation of Emulsion Dry gum method, | To Prepare and Submit Sulphur ointment. |
| | 2 | Preparation of Emulsion (wet gum method) | |
| | T | Stability of Emulsion. | |
| | 3 | Suspensions (Definition, Classification and formulation of Suspension) | |
| 3 rd week of December | 1 | Methods of Dispensing Suspensions, Dry Powder For reconstitutions | To Prepare and Submit Sodium Alginate Gel. |
| | 2 | Topical Preparation: -Ointment, (classification of bases, Method of Preparation.) | |
| | T | Cream and pastes (Definition, Formulation and Container, labelling, storage) | |
| | 3 | Gels, liniment and lotion (Definition, Formulation and Container, labelling, storage) | |
| 4 th week of December | 1 | Hot process fusion method and cold compression method | To Prepare and Submit Cetrimide Cream. |
| | 2 | Nasal preparation (Nasal drops and Nasal Sprays) and Ear drops | |
| | T | Class Test | |
| | 3 | Powders: - Introduction, Advantages, Disadvantages and classification of powder | |
| 5 th week of December | 1 | Insufflations, Dusting powder | To Prepare and submit Dusting Powder. |

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|--|---|--|--|
| | 2 | Effervescent granules | |
| | T | Sterile Formulations: - Injectables, Route of administration, | |
| | 3 | Types of Parenteral preparation. | |

Shrey

Sulpi
29/12/23

| Monthly Lesson Plan | | | |
|----------------------|-----------------|---|---|
| Name of the faculty | | Mrs. Amisha Maheshwari | |
| Discipline | | Pharmacy | |
| Semester/year | | Diploma 1st Year | |
| Subject | | HAP (Human Anatomy and Physiology) | |
| Lesson plan Duration | | DEC -2023 | |
| Work Load/week (hrs) | | Lecture- 03; Tutorial -1, Practical- 01/batch | |
| MONTH/Week | THEORY | | Practical Practical Topic |
| | Lecture | TOPIC | |
| 1st | 1 st | Digestive system- Anatomy of GIT | To measure height, weight and BMI |
| 2nd | 1 st | Digestive system- Physiology of GIT | To study Cardiovascular System from chart model |
| | 2 nd | Digestive system- Physiology of GIT | |
| | Tutorial | Revision | |
| | 3 rd | Digestive system- anatomy of accessory glands | |
| 3rd | 1 st | Digestive system- physiology of accessory glands | To study Respiratory System from chart models |
| | 2 nd | Digestive system- Physiology of Digestion | |
| | Tutorial | Revision | |
| | 3 rd | Digestive system- Physiology of Absorption | |
| 4th | 1 st | U-10 Skeletal Muscles- Histology, physiology of muscle contraction | To study Digestive System from chart models |
| | 2 nd | Skeletal Muscles- Disorders of skeletal muscles | |
| | Tutorial | Revision | |
| | 3 rd | U-11 Nervous system- Classification, Anatomy And Physiology Of Cerebrum | |
| 5th | Tutorial | ASSIGNMENT -2 | To study Endocrine System from chart models. |
| | 1 st | Nervous system- Anatomy And Physiology Of Cerebellum, mid brain | |
| | 2 nd | Nervous system-functions of hypothalamus | |

Amisha

Singh

| Monthly Lesson Plan | | | |
|----------------------|-----------------|--|--|
| Name of the faculty | | Mrs. Manisha Sharma | |
| Discipline | | Pharmacy | |
| Semester/year | | Diploma 1st Year | |
| Subject | | PHARMACEUTICAL CHEMISTRY | |
| Lesson plan Duration | | DECEMBER -2023 | |
| Work Load/week (hrs) | | Lecture- 03; Tutorial -1, Practical- 01/batch | |
| MONTH/Week | THEORY | | Practical Practical Topic |
| | Lecture | TOPIC | |
| DEC/ 1st | 1 st | Anti-Depressants | |
| 2nd | 2 nd | Imipramine Hydrochloride, Venlafaxine, Duloxetine, Sertraline | To carry out assay of given sample of Ferrous sulphate |
| | Tutorial | Revision | |
| | 3 rd | Fluoxetine, Citalopram, Escitalopram, Fluvoxamine, Paroxetine | |
| 3rd | 1 st | Direct Acting Sympathomimetic Agents NorEpinephrine*, Epinephrine, Phenylephrine, Dopamine | To carry out assay of Calcium gluconate |
| | 2 nd | Terbutaline, Salbutamol, Naphazoline*, Tetrahydrozoline | |
| | Tutorial | InDirect Acting Sympathomimetic Agents Hydroxy Amphetamine, Pseudoephedrine | |
| | 3 rd | . Agents With Mixed Mechanism: Ephedrine, Metaraminol | |
| 4th | 1 st | Adrenergic antagonist | To carry out assay of Sodium chloride |
| | 2 nd | Adrenergic antagonist | |
| | Tutorial | revision | |
| | 3 rd | Cholinergic Drugs and Related Agents | |
| 5th | 1 st | Cholinergic Blocking Agents: Atropine Sulphate*, Ipratropium Bromide | To carry out assay of Sodium chloride |
| | 2 nd | Synthetic Cholinergic Blocking Agents: Tropicamide, Cyclopentolate Hydrochloride | |
| | Tutorial | revision | |
| | 3 rd | Clidinium Bromide, Dicyclomine Hydrochloride | |

Manish
Sripi
29/11/23