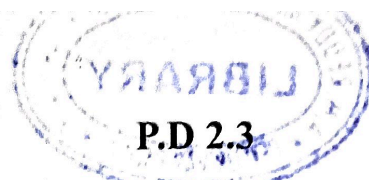


II/VI PHARM-D DEGREE EXAMINATIONS, AUGUST - 2022**Second Year****PHARMACOGNOSY & PHYTOPHARMACEUTICALS**Time : **Three Hours**Maximum : **70 Marks****Answer any FIVE Questions.****5x14 = 70 M****All Questions carry equal marks**

1. a) Give an account of history, development and scope of pharmacognosy.
b) Define crude drug. Explain morphological classification of crude drug with merits and demerits.
2. a) Explain various factors influencing cultivation of crude drugs.
b) Describe the effect of climate and time of collection of plant on quality of active constituents with examples.
3. a) Discuss in detail asexual propagation.
b) Write a note on ergastic cell contents.
4. a) Explain transverse section of Digitalis leaf with various microchemical tests.
b) What are the growth regulators ? Classify and explain its applications.
5. a) Give biological source, chemical constituents and uses of Neem and Pyrethrum.
b) Explain the T.S of Senna leaf with various microchemical tests.
6. a) Give the biological source, chemical constituents and uses of any two carbohydrate related products.
b) Discuss the chemistry of carbohydrates and write the source, chemical constituents & uses of Indian Psyllium.
7. a) Give any seven analytical parameters for detection of Oils and Fats.
b) Give biological source, method of preparation, chemical constituents and uses of Castor oil.
8. a) Define and classify proteins. Differentiate between Silk and Nylon.
b) Discuss in detail different types of adulteration techniques.





Total No. of Questions :07]

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II/VI Pharma.D (Regular & Supply) DEGREE EXAMINATIONS, AUG/SEP-2019

(Examination at the end of Second year)

PHARMACOGNOSY & PHYTOPHARMACEUTICALS

Time: Three Hours

Maximum marks:70

Answer any FIVE Questions.

5X14=70M

All questions carry equal marks.

1. a) Describe the history of Pharmacognosy.
b) Write the Taxonomical and chemical classification of crude drugs with suitable examples.
2. a) Describe the storage of crude drugs with suitable examples.
b) Write about the drying of crude drugs with suitable examples.
3. a) Write about the factors effecting cultivation with suitable examples.
b) Write about the auxins with suitable examples.
4. a) Describe the excretory products of plant cell.
b) Write the methods of pest control with suitable examples.
- 5. a) Describe the microscopy of plants with suitable examples.
b) Write about the definition and classification of crude drugs with suitable examples.
- 6. a) Write about the definition and classification of lipids with suitable examples
b) Write the biological source, chemical tests, identification tests and uses of castor oil and linseed.
7. a) Describe the analytical parameters for oils and fats.
b) Write about the biological source, preparation, chemical tests and uses of silk and wool.



II/VI Pharma.D (Regular) DEGREE EXAMINATIONS, April/May-2018
(Examination at the end of Second year)

Pharma-D

Paper 111-PHARMACOGNOSY AND PHYTOPHARMACEUTICALS

Time: Three Hours

Maximum marks:70

Answer any FIVE questions.

All questions carry equal marks.

5X14=70M

1. a) Write about the scope of pharmacognosy.
 b) Describe the morphological and therapeutic classification of crude drugs with suitable examples.
2. a) Describe the methods of propagation with suitable examples.
 b) Write about the advantages and disadvantages of cultivation of herbal drugs.
3. a) Write about the pest and pest control with suitable examples.
 b) Write about the cytokinins with suitable examples.
4. a) Write about the classification of plant tissues with suitable examples.
 b) Write the biological source, preparation, identification tests and uses of sodium alginate and isabgol.
5. a) Write about the biological source, chemical tests, identification tests and uses of tragacanth and carrageenan.
 b) Write about the biological source, methods of preparation, standards, identification tests and uses of cotton and sunflower.
6. a) Write the definition and classification of proteins with suitable examples.
 b) Write about the biological source, identification tests, standards and uses of casein and yeast.
7. a) Write the surgical dressings with suitable examples.
 b) Write the methods of adulteration of crude drugs with suitable examples.

II/VI PHARMA.D (Regular) DEGREE EXAMINATIONS, JULY- 2017**Second Year****Paper III- PHARMACOGNOSY AND PHYTOPHARMACEUTICALS**

Time: Three Hours

Maximum marks:70

Answer any FIVE questions.**All questions carry equal marks.****5X14=70M**

1. What are natural products? Write in detail on sources of crude drugs. Add a note on drugs obtained from marine origin.
2. Write short notes on
 a) Cultivation methods for medicinal plants
 b) Drying of crude drugs
3. Write in detail on pharmacognosy of the following
 a) Digitalis b) Conchona
4. What are essential oils? Write detailed pharmacognosy of any two drugs in this category.
5. Write short notes on
 a) Jute b) Extraction of fixed oils c) Chemical tests for carbohydrates
6. Write source, chemical constituents, identification tests and uses of
 a) Isapgol b) Senna c) Gelatin
7. a) Write the method of preparation of absorbent cotton. Differentiate it from raw cotton.
 b) With a neat diagram explain the diagnostic microscopic features of leaf.
8. What are adulterants? Give examples. Explain various methods used for identification of adulterants.

II/VI Pharm.D DEGREE EXAMINATIONS, AUGUST/SEPTEMBER-2016

PAPER-III

PHARMACOGNOSY AND PHYTOPHARMACEUTICALS

Time: Three Hours

Maximum marks:70

Answer any FIVE questions.

All questions carry equal marks.

5X14=70M

1. a) Enlist various methods used for classification of crude drugs. Write in detail on chemotaxonomical classification.
- b) Write a note on current and future scope of pharmacognosy.
2. Write short notes on
 - a) Storage of crude drugs
 - b) Processing of crude drugs containing proteins
3. Write in detail on the pharmacognosy of
 - a) Clove
 - b) Honey
4. Write in detail on the method of preparation, chemistry and applications of
 - a) Starch
 - b) Gelatin
5. Write the source, chemistry, identification tests and uses of
 - a) Cinnamon
 - b) Pectin
 - c) Fennel
 - d) Tragacanth
6. Explain the importance of microscopy in pharmacognosy with examples. With neat diagrams explain diagnostic features of bark and root.
7. Write short notes on
 - a) Plant fibers
 - b) Plant growth hormones
8. a) Write in brief on the role of chemical tests in the identification of adulterants in crude drugs
- b) Enumerate the methods used for extraction of essential oils.