

September 2010

[KX 809]

Sub. Code: 3809

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

(Regulations 2008 - 2009)

(Candidates admitted from 2008-2009 onwards)

SECOND YEAR

Paper III - PHARMACOGNOSY AND PHYTO PHARMACEUTICALS

Q.P. Code : 383809

Time : Three hours

Maximum : 70 marks

Answer All questions

I. Essay Questions :

(2 x 20 = 40)

1. What are Volatile oils? Give example for Phenol volatile oil. Explain about Pharmacognostical characters of any one of the drugs.
2. Write in detail about Insecticides.

II. Write Short Notes :

(6 x 5 = 30)

1. Types of Adulteration.
2. Isapgol.
3. Auxins.
4. Pharmacological classification.
5. Jute.
6. Castor Oil.

May 2011

[KY 809]

Sub. Code: 3809

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

(Regulations 2008 - 2009)

(Candidates admitted from 2008-2009 onwards)

SECOND YEAR

PAPER III - PHARMACOGNOSY AND PHYTO PHARMACEUTICALS

Q.P. Code : 383809

Time : Three hours

Maximum : 70 marks

Answer All questions

I. Essay Questions :

(2 x 20 = 40)

1. Give a detailed account on plant classification.
2. Discuss in detail about methods of cultivation, collection, drying and processing.

II. Write Short Notes :

(6 x 5 = 30)

1. Definition and scope of pharmacognosy.
2. Morphological characters of cinchona.
3. Write a note on various methods of extraction of fixed oils.
4. Write the names of plant fibers and explain about absorbent cotton.
5. Write a note on pectin.
6. Write the source, active constituents and uses of digitalis.

October 2011

[KZ 809]

Sub. Code: 3809

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

SECOND YEAR

PAPER III - PHARMACOGNOSY AND PHYTO PHARMACEUTICALS

Q.P. Code : 383809

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|--|----|---------|----|
| 1. Define adulteration and write a detailed note on different methods of adulteration of crude drugs. | 17 | 40 min. | 20 |
| 2. Explain in detail about the source, chemistry and method of extraction of lipids. Write in detail about any two lipid containing drugs. | 17 | 40 min. | 20 |

II. Write notes on :

- | | | | |
|---|---|---------|---|
| 1. Define the term crude drugs and explain the classification of crude drugs with examples. | 4 | 10 min. | 6 |
| 2. Define and classify oils with examples and write the method of preparation of medicinal castor oil. | 4 | 10 min. | 6 |
| 3. Write in detail about cell wall constituents and cell inclusions with their functions. | 4 | 10 min. | 6 |
| 4. Write the source, constituents, chemical tests and the medicinal uses of the following: (i) Pyrethrum (ii) Tragacanth. | 4 | 10 min. | 6 |
| 5. Explain the methods of cultivation of crude drugs with examples. | 4 | 10 min. | 6 |
| 6. Define the term proteins, classify them and write a note on method of analysis of proteins with examples. | 4 | 10 min. | 6 |
| 7. Draw neat labeled diagnostic characters of fruit drugs and explain the types with examples. | 4 | 10 min. | 6 |
| 8. What are fibres? Classify them. Write in detail about the absorbent cotton and differentiate from raw cotton. | | | |
| 9. Enumerate the history and scope of Pharmacognosy. | 4 | 10 min. | 6 |
| 10. Write the source, confirmatory chemical tests and uses of (i) Carbohydrates (ii) Lipids (iii) Proteins. | 4 | 10 min. | 6 |

[LA 809]

APRIL 2012

Sub. Code: 3809

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

SECOND YEAR

PAPER III - PHARMACOGNOSY AND PHYTO PHARMACEUTICALS

Q.P. Code : 383809

Time : Three hours

Maximum :100marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Briefly discuss the various system of classification of crude drugs from natural origin with examples?	17	40	20
2. Write the pharmacognosy of any two fruit drugs Which you have studied?	17	40	20

II. Write notes on :

1. Describe the macroscopy and microscopy of senna with a note on its adulterants?	4	10	6
2. Describe the historical background of pharmacognosy?	4	10	6
3. Explain about the various types of Extraction of volatile oils?	4	10	6
4. Give a note on current and upcoming Scope of pharmacognosy?	4	10	6
5. Write a note on preparation process of cotton and silk?	4	10	6
6. Elaborate the Basic principle of ayurvedic system of medicine?	4	10	6
7. Write a note on any one oil obtained from marine animal source?	4	10	6
8. How clove is collected, what are its adulterants, how are they detected?	4	10	6
9. Detail study of methods of cultivation of medicine plants?	4	10	6
10. Discuss the method of preparation of starch from different source.	4	10	6

[LB 809]

OCTOBER 2012
PHARM. D DEGREE EXAMINATION
SECOND YEAR
PAPER III - PHARMACOGNOSY AND
PHYTO PHARMACEUTICALS
Q.P. Code : 383809

Sub. Code: 3809

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

Pages Time Marks
(Max.)(Max.)(Max.)

- | | | | |
|--|----|----|----|
| 1. Explain the pharmacognosy of any two crude drugs from carbohydrates? | 17 | 40 | 20 |
| 2. Elaborate the detail study of medicinal value drugs from Natural pesticide? | 17 | 40 | 20 |

II. Write Short Notes :

- | | | | |
|---|---|----|---|
| 1. Discuss about the Merits and demerits of cultivation of medicinal plants? | 4 | 10 | 6 |
| 2. Biological Source, preparation and identification tests of the drugs with following uses: a) Used in deficiency of Vitamin- A
b) emulsifying agent. | 4 | 10 | 6 |
| 3. Briefly describe the use of crude drugs in the indigenous system of medicine? | 4 | 10 | 6 |
| 4. Write about the classification of proteins with examples? | 4 | 10 | 6 |
| 5. Write detail on pharmacognosy of honey? | 4 | 10 | 6 |
| 6. Demonstrate the Pharmcognestic study of Acacia? | 4 | 10 | 6 |
| 7. Write briefly about the Storage condition of crude drugs? | 4 | 10 | 6 |
| 8. What are fibers? Write detail about any one plant fiber? | 4 | 10 | 6 |
| 9. Explain microscopic characteristics, cultivation, collection, of the following drugs: Clove, Isapgol. | 4 | 10 | 6 |
| 10. Give details of chemical constituents, Chemical tests, uses of the following drugs: Cinnamon, pectin. | 4 | 10 | 6 |

[LC 809]

APRIL 2013
PHARM. D DEGREE EXAMS
SECOND YEAR
PAPER III - PHARMACOGNOSY AND
PHYTO PHARMACEUTICALS
Q.P. Code : 383809

Sub. Code: 3809

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. Define Fibers, classify with examples and write a detailed account on plant fibers used in surgical dressing and related products.
2. Define and classify proteins, write a note on chemistry, method of extraction, method of analysis of proteins, write a note on any one protein containing drug.

II. Write notes on :

(10x6=60)

1. Explain the general microscopical features of leaf drug with a neat labeled microscopical diagram of the characteristic features.
2. Write a note on natural pesticides with examples and give details about any one natural pesticides.
3. Write a note on plant fibers used in surgical dressings.
4. Enumerate the history and scope of Pharmacognosy.
5. Write a short note on cell constitutes with their different functions.
6. Explain about the chemotaxonomy with suitable examples.
7. Compare & contrast volatile oils and fixed oils with examples.
8. Write in detail about any two carbohydrate containing drugs.
9. Write a note on chemistry of lipids, Explain any one lipid containing drug.
10. Explain the morphological and pharmacological classification of crude drugs with examples.

[LD 809]

OCTOBER 2013

Sub. Code: 3809

PHARM. D DEGREE EXAMINATIONS

SECOND YEAR

PAPER III - PHARMACOGNOSY AND PHYTO PHARMACEUTICALS

Q.P. Code : 383809

Time: Three Hours

Maximum: 70 marks

Answer ALL questions in the same order

I. Elaborate on:

(2 x 20 = 40)

1. Give a detailed account on various methods of cultivation, collection, processing of crude drugs.
2. Define and classify carbohydrates with examples. Give details about any three carbohydrate containing drugs.

II. Write notes on:

(10 x 3 = 30)

1. Brief note on cell inclusions.
2. Isapgol.
3. Definition & scope of pharmacognosy.
4. Method of analysis of proteins.
5. Write a difference between volatile oil & fixed oil.
6. Cotton.
7. Powder microscopic characters of any one leaf drug.
8. General chemical tests for alkaloids.
9. Write a note on chemistry of lipids.
10. Define adulteration & mention the types of adulteration.

[LE 809]

APRIL 2014

Sub. Code: 3809

**PHARM. D DEGREE EXAMS
SECOND YEAR
PAPER III - PHARMACOGNOSY AND
PHYTO PHARMACEUTICALS**

Q.P. Code : 383809

Time : 3 hours

Maximum : 70 marks

I. Elaborate on :

(2x20=40)

1. What are volatile oils? How are these classified? Write their properties, methods of extraction and uses.
2. Discuss the importance of microscopical studies for the evaluation of crude drugs with suitable examples and diagrams.

II. Write notes on :

(10x3=30)

1. Write a brief note on scope of Pharmacognosy.
2. Discuss the methods of extraction of fixed oils.
3. How are proteins detected by chemical test?
4. Write the source, preparation and uses of absorbent cotton.
5. What are adulterants? Mention few adulterants in the adulteration of crude drugs.
6. Name few cell inclusions. Write the various types of calcium oxalate crystals occur in plant cell.
7. Classify carbohydrates with suitable examples.
8. What are the advantages and disadvantages of cultivation?
9. Write a note on cell wall constituents.
10. Write the source, constituents and uses of any one fixed oil obtained from animal sources.
