



BP 405 T

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**II/IV B. PHARMACY (Regular) DEGREE EXAMINATIONS,  
NOVEMBER-2022  
Fourth Semester  
PHARMACOGNOSY AND PHYTOCHEMISTRY - I - THEORY**

Time : Three Hours

Maximum : 75 Marks

**SECTION - A**

Answer any FIVE Questions.

5x10 = 50 M

1. a) Describe the various sources of natural drugs.  
b) Differentiate between organised and unorganised drugs.
2. a) Discuss the factors influencing cultivation of medicinal plants.  
b) Write any two plant hormones.
3. Write the nutritional requirements, growth and their maintenance of plant tissue culture.
4. a) Describe the evaluation of crude drugs.  
b) Give a short note on lycopodium spore method.
5. a) Define and classify Glycosides and Tannins.  
b) Chinese System of Medicine.
6. Describe the following :  
a) Natural allergens.  
b) Hallucinogens.
7. a) Write the source, preparation method and uses of Papain.  
b) Medicinal agents from Marine sources.

**SECTION - B**

Answer any FIVE Questions.

5x5 = 25 M

8. Discuss on mutation, polyploidy and hybridisation.
9. Write the chemical tests for identification of Alkaloids.
10. What are pharmaceutical aids ? Describe any one pharmaceutical aid.
11. Classify resins. Write their physical and chemical properties.
12. Describe the applications of PTC in pharmacognosy.
13. Write the chemical constituents and uses of Castor oil and Chaul moogra oil.
14. Write the biological source, preparation and chemical constituents of Agar.



**II/IV B. PHARMACY (SUPPLY) DEGREE EXAMINATIONS,  
FEBRUARY- 2022  
Fourth Semester**

**PHARMACOGNOSY AND PHYTOCHEMISTRY I - THEORY**

Time : **Three Hours**

Maximum : **75 Marks**

**SECTION - A**

**Answer any FIVE Questions.**

**5x10 = 50 M**

1. a) Write in brief on oleogum resins.  
b) Discuss the role of microbes as source of drugs.
2. Explain the principle, procedure, advantages and problems involved in the chemotaxonomy of crude drugs.
3. a) Write a note on role of plant hormones in medicinal plant cultivation.  
b) Explain the pharmacognosy of agar.
4. Write in detail on quantitative microscopy in the quality evaluation of herbal material.
5. Write short notes on  
a) Bees wax.  
b) Casein.
6. What are glycosides ? Classify them with examples. Write chemical tests used for identification of glycosides.
7. Describe about novel medicinal agents from marine sources.

**SECTION - B**

**Answer any FIVE Questions.**

**5x5 = 25 M**

8. Discuss the chemical tests used for identification of adulterants in crude drugs.
9. Write short notes on role of soil type on cultivation of medicinal plants.
10. Write in brief on storage methods used for crude drugs and their significance.
11. Explain the principles and significance of Ayurveda system of medicine.
12. Write in brief on hybridization of medicinal plants.
13. Write a note on edible vaccines.
14. Write method of preparation, evaluation, storage and uses of papain.

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II/IV B.PHARMACY (Regular) DEGREE EXAMINATIONS, OCTOBER-2020

Fourth Semester

B.Pharmacy

PHARMACOGNOSY AND PHYTOCHEMISTRY-I-Theory

Time: Three Hours

Maximum marks:75

SECTION-A

Answer any FIVE Questions.

5X10=50M

1. Write the definition, history and scope of pharmacognosy.
2. What is cultivation? Explain various factors affecting cultivation of medicinal plants.
3. Write about types of cultures, nutritional requirements and applications of plant tissue culture in pharmacognasy.
4. a) Write about ayurvedic system of medicine along with its theory and principle.  
b) Define and classify alkaloids with examples.
5. a) Write the biological source, chemical nature, identification tests and uses of cotton.  
b) Write the biological source, preparation, description, chemical constituents, identification tests & uses of agar.
6. Explain the microscopic evaluation of drugs of natural origin with examples.
7. a) Write about plant growth hormones & their applications.  
b) Differentiate organized & unorganized drugs with examples.

P.T.O



## SECTION-B

5X5=25M

Answer any FIVE Questions.

8. Define adulteration. Write different methods of adulterants with examples.
9. Discuss on mutation, polyploidy & hybridization. Write their role in improvement of medicinal plants.
10. Write about edible vaccines with examples & add a note on their need.
11. Define glycosides. Write classification with examples and common identification tests.
12. Write a note on teratogens and natural allergens with examples.
13. Give an account on novel medicinal agents from marine sources.
14. Write a short note on papain & serratiopeptidase and their pharmaceutical importance.



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**SECTION-A**

**Answer any FIVE Questions.**

**5X10=50M**

1. Describe the various sources of drugs with examples.
2. Write about plant growth hormones and their applications.
3. Discuss about organoleptic and chemical evaluation of crude drugs.
4. Describe the historical development and nutritional requirement, applications of plant tissue culture in pharmacognosy.
5. Explain in detail the siddha and Homoeopathic systems of medicine.
6. a) Define glycosides? Write its classification, general identification tests.  
b) Write a note on Hallucinogens.
7. Write short notes on  
a) Agar                      b) Chaulmoogra oil

**SECTION-B**

**Answer any FIVE Questions.**

**5X5=25M**

8. Write the chemical classification of crude drugs.
9. Describe the types of cultures, growth and maintenance of PTC.
10. Write about Mutation and hybridisation.
11. Define flavonoids? Write their classification and uses in pharmaceutical field.

**P.T.O**

12. Classify fibres? Explain the pharmacognosy of hemp.
13. Discuss the medicinal agents from marine source with examples.
14. Give the source and uses of gelatin and pepsin.

