Code: 15R00204

R15

B.Pharm I Year II Semester (R15) Supplementary Examinations September 2022

PHARMACOGNOSY – I

Time: 3 hours | Max. Marks: 70

PART – A

(Compulsory Question)

*****

1 Answer the following: (10 X 02 = 20 Marks)

(a) Define pharmacognosy.
(b) What is Materia Medica, Papyrus Ebers, Pen-t'-Sao and Charaka Samhita?
(c) Enlist the groups of chemical classification of crude drugs.
(d) What is soil & its types?
(e) What are monosaccharides? Classify them.
(f) Write the biological source and chemical constituents of acacia.
(g) Define tannins with examples.
(h) Write the biological source and chemical constituents of myrobalan.
(i) Enlist the analytical parameters for oils and fats.
(j) Write the biological source and uses of bees wax.

PART – B

(Answer all the questions: 05 X 10 = 50 Marks)

2 (a) Write a short note on anticancer compounds derived from marine source.
(b) Write the history of pharmacognosy.

OR

3 (a) Discuss the crude drugs obtained from mineral source.
(b) What is the scope of pharmacognosy?

4 (a) Classify the crude drugs based on pharmacological classification. Give examples.
(b) Briefly discuss the factors affecting cultivation.

OR

5 (a) Explain chemotaxonomical classification with examples.
(b) Explain polyploidy with examples.

6 (a) Write the biological source, chemical constituents and uses of tragacanth and starch.
(b) Write the chemical tests of trangacanth and agar.

OR

7 (a) Write the biological source, chemical constituents and uses of isabgol and honey.
(b) Write the chemical tests for acacia and honey.

8 (a) Classify tannins with examples and structures.
(b) Write the biological source, chemical constituents and uses of pale and black catechu.

OR

9 (a) Discuss the pharmacognosy of bahera.
(b) Write the biological source, preparation, chemical constituents and uses of silk.

10 (a) Discuss biological source, preparation, chemical constituents and uses of linseed oil.
(b) Discuss biological source, preparation, chemical constituents and uses of kokum butter.

OR

11 (a) Discuss biological source, preparation, chemical constituents and uses of rice bran oil.
(b) Discuss biological source, preparation, chemical constituents and uses of cocoa butter.

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Code: 15R00204

R15

B.Pharm I Year II Semester (R15) Supplementary Examinations March 2022

PHARMACOGNOSY – I

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

*****

1 Answer the following: (10 X 02 = 20 Marks)

(a) Write the source of drugs with examples.
(b) Classify the pharmaceutical aids of natural source with examples.
(c) Define polyploidy.
(d) Write the advantages of organic forming.
(e) Write the microscopical characteristics of starch.
(f) Classify polysaccharides with examples.
(g) Classify the tannins with examples.
(h) Write the B.S, C.C and uses of polyester and Arjuna.
(i) Write the different extraction methods for lipids.
(j) Write the B.S, C.C and uses of rice bran and cocoa butter.

PART – B

(Answer all the questions: 05 X 10 = 50 Marks)

2 (a) Define pharmacognosy. Write the scope of pharmacognosy.
(b) Write the marine and microorganism source of drugs with examples.

OR

3 (a) Write the definitions of following contamination, herbal medicine, cross contamination, cultivation and erosions.
(b) Write a note on traditional Chinese medicine and Indian Ayurvedic medicine.

4 (a) Write the factors influencing cultivation.
(b) Write a note on bio-pesticides for crop protection.

OR

5 (a) Explain in detail about any two plant growth regulators.
(b) Write the objectives for Good Agricultural and Collection Practices.

6 (a) Write the biological source, cultivation, collection, identification tests and standards, uses of Acacia.
(b) Write a note on Guar gum.

OR

7 (a) Write the source, cultivation and collection, chemical constituents and uses of Indian psyllium.
(b) Explain the preparation of honey.

8 (a) Write the identification tests for fibers.
(b) Write a note on cotton.

OR

9 (a) Write the pharmacognostic study of Black catechu.
(b) Write the biological source, chemical constituents, preparation, standard quality and uses of tannic acid.

10 (a) Write the pharmacognostic study of Bees wax.
(b) Write the B.S, C.C method of preparation and uses of Ricinus oil.

OR

11 (a) Define iodine value, saponification value, hydroxyl value and acid value.
(b) Write a note on linseed oil.

*****

Code: 15R00204

R15

B.Pharm I Year II Semester (R15) Supplementary Examinations September/October 2021

PHARMACOGNOSY – I

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

*****

1 Answer the following: (10 X 02 = 20 Marks)

(a) Briefly explain the different biological sources of drugs with suitable example.
(b) What are the major challenges associates with crude drugs?
(c) Give an overview of chemical classification of drugs of natural origin.
(d) Briefly explain the cultivation technique hybridization with reference to medicinal plants
(e) What are the different types of adulteration associated with natural drugs?
(f) Write a short note on chemical method of natural drug evaluation.
(g) Discuss the chemical composition and medicinal uses of isabgol.
(h) Write the chemical composition and medicinal uses of catechu.
(i) Discuss the chemical composition and medicinal uses of castor oil.
(j) Write the general properties and chemical test for lipids.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2 (a) Discuss the significance of pharmacognosy in modern drug discovery perspective.
(b) 'Approximately 50% modern drugs are either natural products (or their derivatives) or synthetic but inspired from natural molecules.' Justify this statement and give examples wherever required.

OR

3 (a) Write the significance of microbes and marine sources in drug discovery and development.
(b) Write the significance of plant, animal and mineral sources in drug discovery and developments.

UNIT – II

4 (a) Discuss different taxonomical and pharmacological classifications of drugs from natural origin with suitable examples.
(b) Discuss the different steps involve in preparation of crudes drugs, also emphasize the factors influence the cultivation of medicinal plants.

OR

5 (a) Discuss the Good Agricultural and Collection Practices (GACP) guideline in detail.
(b) What are the different improved cultivation techniques for the medical plant? Discuss in detail.

UNIT – III

6 (a) What are the different sources of adulteration and give five most common example of adulteration in crude herbal products?
(b) Write on the physical and chemical methods of crude drug evaluation.

OR

7 (a) What are the different methods for authentication? Write the significance of macroscopic methods in detail.
(b) Write on the microscopic methods of crude drug evaluation.

Contd. in page 2

Code: 15R00204

R15

B.Pharm I Year II Semester (R15) Regular & Supplementary Examinations July 2019

PHARMACOGNOSY – I

Time: 3 hours Max. Marks: 70

PART – A

(Compulsory Question)

*****

1 Answer the following: (10 X 02 = 20 Marks)

(a) Write pharmacognosy of Pectin.
(b) Write Hydnocarpus oil.
(c) Define polyploidy.
(d) Write a note on Galls.
(e) Write storage conditions of medicinal plants.
(f) What are mineral source? Give suitable example.
(g) Write about Gibberellins.
(h) Write preparation of Tragacanth.
(i) Write a note on Lard.
(j) Write Molisch's test for carbohydrate.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2 Write briefly about marine and microorganism source of crude drugs with examples.

OR

3 Write definition, history, development and scope of pharmacognosy.

UNIT – II

4 Describe WHO guidelines on GACP for medicinal plants.

OR

5 How the plant growth regulators useful for the cultivation of medicinal plants?

UNIT – III

6 Write pharmacognosy of the following:

(a) Agar.
(b) Guar gum
(c) Isabgol.

OR

7 Write definition, classification and chemical tests for carbohydrates.

UNIT – IV

8 Write comparative pharmacognosy relevance of Garnier catechu and black catechu.

OR

9 Write source, preparation and identification tests for cotton and wool.

UNIT – V

10 Write in detail about:

(a) Wool fat.
(b) Castor oil.

OR

11 Write pharmacognosy of the following:

(a) Shark hair oil.
(b) Cocoa butter.
(c) Rice bran oil.

*****

Code: 15R00204

R15

B.Pharm I Year II Semester (R15) Supplementary Examinations December 2017

PHARMACOGNOSY – I

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

*****

1 Answer the following: (10 X 02 = 20 Marks)

(a) Define crude drugs.
(b) Write the scope of pharmacognosy.
(c) Write about mutation with reference to medicinal plants.
(d) Discuss the advantages of cultivation of crude drugs.
(e) What is Pectin? Write the chemical test for Pectin.
(f) Write the source, constituents and uses of Acacia.
(g) Explain Gambier-Fluorescin test.
(h) Give the significance of animal fibres.
(i) Write the biological source, family and uses of Beeswax.
(j) Define and classify lipids.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2 Discuss the role of pharmacognosy and its contributions in the development of pharmaceutical sciences.

OR

3 Explain with examples the various sources of natural drugs.

UNIT – II

4 Write in detail about the plant growth hormones and its applications.

OR

5 What are the factors influencing cultivation.

UNIT – III

6 Write in detail the biological source, family, collection, chemical constituents and chemical test for honey.

OR

7 Differentiate gums and mucilages. Explain the pharmacognosy of Tragacanth.

UNIT – IV

8 Write the source, family, method of manufacture, chemical constituents, chemical tests for surgical tton.

OR

9 ite the pharmacognosy of:

(a) juna bark.
(b) Myrobalan.

UNIT – V

10 Discuss the preparation of Castor oil. How will you detect the adulteration of the same?

OR

11 Explain the source, preparation, chemical constituents and uses of Cod liver oil.

*****

Code: 15R00204

R15

B.Pharm I Year II Semester (R15) Regular & Supplementary Examinations June 2017

PHARMACOGNOSY – I

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

*****

1 Answer the following: (10 X 02 = 20 Marks)

(a) Define crude drug.
(b) Write a note on conservation of medicinal plants.
(c) What is chemotaxonomy?
(d) Write applications of polyploidy in pharmacognosy.
(e) Describe the chemical tests for agar.
(f) Define acid value & saponification value.
(g) Lists out the gums you have studies and write their applications.
(h) Define plant fibre. Give examples.
(i) What is bast fibre? Name a drug where it is present.
(j) How do you distinguish between pure honey from adulterated?

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT - I

2 Define pharmacognosy. Write the scope and future of pharmacy.

OR

3 Write B.S, C.C and uses of two drugs each from plants, animals, minerals, marine and microorganisms.

UNIT - II

4 Describe in detail the factors affecting cultivation, collection and processing of crude drugs.

OR

5 Describe the classification of crude drugs with examples.

UNIT - III

6 Describe the pharmacognosy of tragacanth.

OR

7 Describe the pharmacognosy of isabgol.

UNIT - IV

8 Define and classify Tannins with examples. Write the source, chemical tests and uses of black catechins & myrobalan.

OR

9 Classify plant fibres. Write the source, preparation and identification of cotton and nylon.

UNIT - V

10 What are lipids? Describe their extraction chemistry and analysis.

OR

11 Describe the pharmacognosy of castor oil & Beeswax.

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Code: 15R00204

R15

B.Pharm I Year II Semester (R15) Regular Examinations May/June 2016

PHARMACOGNOSY – I

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

*****

1 Answer the following: (10 X 02 = 20 Marks)

Write short notes on:

(a) Minerals.
(b) Marine source.
(c) GACP.
(d) Drying of medicinal plants.
(e) Honey.
(f) Starch.
(g) Arjuna bark.
(h) Nylon.
(i) Bees wax.
(j) Hydro campus oil.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT - I

2 Define pharmacognosy and write its history.

OR

3 Describe drugs obtained from plants and animals.

UNIT - II

4 Describe in detail the general aspects of chemotaxonomy.

OR

5 Write a detail note on polyploidy & mutation.

UNIT - III

6 Write source, chemical constituents, uses and chemical tests for Tragacanth.

OR

7 Write source, chemical constituents, uses and chemical tests for Agar.

UNIT - IV

8 Classify plant fibres & describe the preparation and sterilization of surgical catgut.

OR

9 Define and classify tannins, write their properties and tests to identify tannins.

UNIT - V

10 Explain source, chemical constituents, uses and method of preparation of castor oil.

OR

11 Explain source, production and uses of cod liver oil.

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Code: 15R00204

R15

B.Pharm I Year II Semester (R15) Supplementary Examinations December 2016

PHARMACOGNOSY – I

Time: 3 hours | Max. Marks: 70

PART – A

(Compulsory Question)

*****

1 Answer the following: (10 X 02 = 20 Marks)

(a) Write a note on minerals.
(b) Write short notes on morphological classification.
(c) Explain mutation.
(d) Write about plant hormones & their applications.
(e) Write about chemical tests for Agar.

Write short notes on the following:

(f) Isapghol.
(g) Myrobolon.
(h) Silk.
(i) Cod liver oil.
(j) Linseed oil.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2 What is the scope and future of pharmacognosy?

OR

3 Describe the drugs obtained from Marine & Microbiological sources.

UNIT – II

4 Describe GACP for medicinal plants.

OR

5 Describe in detail the factors influencing the cultivation of medicinal plants.

UNIT – III

6 Define carbohydrates and classify them with examples.

OR

7 Write the pharmacognosy of Acacia & Tregacanth.

UNIT – IV

8 Describe plant fibers used in surgical dressings.

OR

9 Write the source, chemical constituents, uses and chemical tests for Gambier & Black Catechu.

UNIT – V

10 Explain source, production and uses of Shark liver oil.

OR

11 Define lipids. Describe their method of extraction & chemical tests for lipids.

*****

Code: 15R00204

R15

B.Pharm I Year II Semester (R15) Supplementary Examinations December 2019

PHARMACOGNOSY – I

Time: 3 hours Max. Marks: 70

PART – A

(Compulsory Question)

*****

1 Answer the following: (10 X 02 = 20 Marks)

(a) Define pharmacognosy.
(b) Differentiate organized and Un-organized drugs with examples.
(c) Define chemotaxonomy.
(d) Define gums and mucilage with examples.
(e) Explain Fiehe's test.
(f) Write the BS and CC of the drug used as an antileprotic.
(g) Define garbling and coppicing.
(h) Define polyploidy and mutation.
(i) Write the advantages and disadvantages of natural pesticides.
(j) Define swelling index.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2 Write the history and scope of pharmacognosy.

OR

3 Write a note on drugs obtained from minerals and marine sources.

UNIT – II

4 Discuss various methods of classification of crude drugs along with their merits and demerits.

OR

5 Define cultivation and explain about various factors affecting cultivation of medicinal plants.

UNIT – III

6 Write in detail about the BS, CC, uses, and chemical tests for Acacia and Tragacanth.

OR

7 Write the systemic pharmacognosy of Agar and Gaur gum.

UNIT – IV

8 Define and classify tannins. Write BS, CC, uses and chemical tests for Gambier and Black Catechu.

OR

9 Write BS, preparation and identification of cotton and silk.

UNIT – V

10 Define and classify lipids. Write systematic pharmacognosy of castor oil and bees wax.

OR

11 Write in detail about systematic pharmacognosy of cod liver oil and shark liver oil

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