

11920

0807

Pharmacognosy Important question

Total - 80 marks.

- Q1 Attempt any EIGHT of the following. marks (16)
- (a) Define the following (any two)
- (i) Laxative (ii) Pharmacognosy (iii) Balsam
- (b) Write the role of 'Dioscoride' and 'Seydler' in the development of pharmacognosy.
- (c) State which part of the plant is used in case of -
- (i) Belladonna (ii) Rauwolfia (iii) Ipecac
- (iv) Colchicum.
- (d) Write example of pharmaceutical aid obtained from:
- (i) Animal source (ii) Mineral source.
- (e) Mention synonym of the following crude drugs.
- (i) Asafoetida (ii) Licorice (iii) Tulsi
- (f) Explain Galenical pharmacy & who discovered it?
- (g) Give the name of the drug which passes the following chemical Test.
- (i) Vitali-morin Test
- (ii) Swelling factor Test
- (iii) Modified Borntrager's test
- (iv) Fiehe's test.
- (h) Describe morphological character of clove with diagram.

- (1) What is Garbing?
- (2) Name the drug having following morphological character any two?
- Lignified trichomes
 - Fibrovascular bundle
 - Paracytic stomata.
- (3) Write the name of the drug which has following use
- Galactagogue
 - Dental Analgesic
 - Diuretics
 - Brain Tonic
- (4) Write official requirement of surgical dressings.
- Q2 Attempt any THREE OF THE FOLLOWING
- Explain chemical method of classification of crude drug with its merit and demerit.
 - Define Glycosides classify it on the basis of Glycoside linkage with example.
 - Write the method of cultivation and collection of "Rauwolfia".
 - Write the synonyms biological source, chemical constituents of 'Gokhem' or 'Gymnema'.
 - Explain with example (any two)
 - Stomatal index.
 - Optical index
 - Organoleptic method of evaluation.

Q5 Attempt any THREE of the following

- a) Define 'Drug Adulteration' Describe any three methods of adulteration with suitable example.
 - b) Name the adulterants and substitute of
 (i) Nuxvomica (ii) Digitalis.
 - c) Enlist the Indigenous systems of medicine Describe the "Siddha system of medicine"
 - d) Write any two examples of drug belonging to following family:-
 (i) Rubiaceae (ii) Apocynaceae (iii) Burseraceae
 (iv) Liliaceae.
 - e) Define Enzymes. Write the biological source Chemical constituents and uses of Papaya
- Q6 Explain the chemical tests of any FOUR crude Drugs:-
- a) Silk b) Benzoin c) Nux-Vomica d) Shark-liver oil e) Gelatin f) starch

Q3 Attempt any THREE of the following.

- a) Describe the different techniques (any three) for isolation of volatile oils.
- b) Draw a well labelled diagram T.S of cinnamon bark and describe any four microscopical characters.
- c) Write the chemical constituents and uses of the following drug (any two)
(i) Chinchona (ii) Sandalwood oil (iii) Ephedra.
- d) Explain with example of the following (any two)
(i) Latex (ii) Condensed tannin (iii) Characteristics of umbelliferous fruits.
- e) Define Bark. Describe the methods of collection of barks.

Q4 Attempt any three of the following.

- a) Explain the general chemical test for the identification of alkaloids.
- b) Define the following with example
(i) Oxytocics (ii) Cardiotonics (iii) Antitussive
(iv) Astringents.
- c) Describe the methods of preparation of fibre obtained from plant source.
- d) Write the biological source, chemical constituents and uses of 'Garlic'.
- e) Differentiate between organised and unorganised crude drugs.

Name.....

Roll No.....

SHARDA COLLEGE OF PHARMACY
Pre University Test Examination
2021-22

Course: D. Pharma

SEM: I

Time: 1.5 hrs

Subject: Pharmacognosy

Sub. Code: ER20-13T

M. Marks: 40

Section A

1. Attempt the following questions:

1x10=10

(A) _____ is a branch of bioscience dealing with medicinal and related products of crude or primary type and obtained from plants and animals, and minerals origin.

- a) Pharmacology
- b) Pharmacognosy
- c) Pharmaceutics
- d) Pharmaceutical chemistry

(B) Wool is Prepared from _____.

- a) Skin
- b) Bones
- c) Scalp
- d) Pleece

(C) Which fibre is use for manufacturing of bandages.

- a) Cotton
- b) Silk
- c) Wool
- d) Flax

(D) Rayon is derived from its mass known as _____.

(E) Jute is obtained from the _____ of the stem bark.

(F) Silk fibre is mainly composed of which protein ?

(G) Which ring is present in morphine ?

(H) _____ is obtained by cold expression from the seeds of " Ricinus communis linn".

(I) _____ is the dried roots and rizomes of withania somnifera.

- a) Squill
- b) Tulsi
- c) Ashwagandha
- d) Galls

(J) _____ is an enzyme found in malt and produced when the seeds germinate.

- a) Papaya
- b) Diastasec)
- c)Yeast
- d) Pancreatin

Section B

2. Attempt any five of the following:

3x5=15

Q – 1 What are antidysentric drugs ? Write down biological source , family , chemical constituents and uses of ipecacuanha.

Best of Luck

Q-2 Write down the identification test for glycosides.

Q-3 Write the chemical constituents and therapeutic uses of Asafoetida.

Q-4 Write the Biological Source & therapeutic efficacy of cardamom & nutmeg.

Q-5 Write a short note on Vasaka & Tolu Balsam.

Q-6 Give the biological source and chemical constituents of Shark liver oil.

Section C

3. Attempt any three questions of the following:

5x3=15

Q-1 Define Resin Give the classification & Identification test for resins.

Q-2 Give the biological Source, Chemical constituents & uses of any two of the following.

- a) Beeswax b) Accacia c) Sodium alginate

Q-3 Discuss about of Pharmaceutical Aid and define any two drugs ?

- a) Guar Gum b) Lonalin c) Gelatin

Q-4 Discuss about of Surgical dressing and write down biological source and chemical constituents any two drug of the following.

- a) Cotton b) Fibres c) Silk

Best of Luck

Pharmacognosy U. Pharma Ist Yr

Third sessional Examination MM-40

① Attempt the following question.

① The evaluation of _____ depends on pharmacognosy.

(a) medicinal plants

(b) Novel medicines

(c) Herbal medicines

(d) Crude drugs

② _____ enhance bioavailability.

(a) Piperine

(b) Forskolin

(c) Rutin

(d) Taxol.

③ Alkaloids are basic in nature due to the presence of _____

(a) Hydrogen

(b) Amino nitrogen

(c) Oxygen

(d) Hydroxide.

④ _____ give a characteristic crystalline precipitate

(a) Hager's reagent

(b) Mayer's reagent

(c) Wagner's reagent

(d) Dragendorff's reagent.

⑤ _____ are used as an antidote in alkaloid poisoning.

(a) Terpenoids

(b) Resins

(c) Glycosides

(d) Tannins

⑥ Roots of _____ are a powerful emetic agent used to induce vomiting in case of poisoning.

(a) Ipecac

(b) Neem

(c) Ergot

(d) Cinchona

(7) _____ medicine system was established by the Hindus in India several thousand years ago.

- (a) Siddha (b) ~~Unani~~ Unani
(c) Homeopathy (d) Ayurvedic

(8) _____ denotes the functions of enzymes i.e. intelligence, digestion, and metabolism

- (a) Vayu (b) Agni
(c) Jala (d) Akasha.

(9) _____ are foods or food ingredients that provide medical or health benefits.

- (a) Phytochemicals (b) Nutraceuticals
(c) Herbs (d) Probiotics

(10) _____ are obtained from red wine and tea.

- (a) Lutein (b) Indoles
(c) Catechins (d) Lignans.

Q2 Attempt ~~any Section-B~~ Section-B and four of the following

Q1 Define nutraceuticals & ~~nutraceuticals~~

Q2 Difference between probiotics and prebiotics.

Q3 ^{What are} Give the uses of soya and garlic?

Q4 ^{write} Give a short note on Unani System of the medicine?

Q5 Write the short note on Vasaka & Tolu Balsam.

5th Explain the Sec-c

- Q1⁷ Definition, History and scope of Pharmacognosy.
- Q2 Discuss briefly about classification of Natraceuticals.
- Q3 ^{What are} Give the biological source, synonyms, chemical constituents and therapeutic efficacy and two drugs
- (a) Beeswax. (b) Ergot (d) Tragacanth

UNITED SECULAR SOCIETY

Witham

Sharda College of Pharmacy

Second Sessional Examination 2021-22

Course: D. Pharma Ist yr.

Year: I

Subject: Pharmacognosy

m: 40

10X1=10

Q1: Attempt the following questions.

- (A) _____ is a branch of bioscience dealing with medicinal and related products of crude or primary type and obtained from plants, and animals, and minerals origin.
- (a) Pharmacology. (b) Pharmacognosy
(c) Pharmaceutics (d) Pharmaceutical Chemistry.
- (B) Wool is prepared from - - - -
- (A) Skin (B) Bones
(C) Scalp (D) Fleece.
- (C) Which fibre is use for manufacturing of bandages.
- (A) Cotton (B) Silk
(C) Wool (D) Flax.
- (d) Rayon is derived from its mass known as - - - - -
- (e) Jute is obtained from the - - - - - of the stem bark.
- (f) Silk fibre is mainly composed of which protein?
- (g) Which ring is present in morphine?
- (h) _____ is obtained by cold expression from the seeds of "Ricinus communis linn."
- (i) _____ is the dried roots and rhizomes of Withania somnifera.
- (a) Squill (b) Tuber
(c) Ashwagandha (d) Galls.

- (f) is an enzyme found in malt and produced when the seeds germinate.
- (a) Papaya (b) Diastase
(c) Yeast (d) Pancreatin.

Section-B

- Q2 Attempt any five of the following.
- Q1 What are antidiysentric drugs? Write down biological source, family, chemical constituents and uses of ipecacuanha.
- Q2 Write down the identification test for glycosides.
- Q3 Write the chemical constituents and therapeutic uses of Asafoetida.
- Q4 Write the Biological Source & therapeutic efficacy of Cardamom & Nutmeg.
- Q5 Write a short note on Vasaka & Tolu Balsam.
- Q.6 Give the biological source and chemical constituents of ~~the~~ Sarsaparilla oil.

Sec- C

- Q3 Attempt any ~~three~~ ^{four} question
- Q1 Define Resin. Give the classification & Identification test for resins.
- Q2 Give the biological Source, chemical Constituents & uses of any two of the following.
- (a) Beeswax (b) Acacia (c) Sodium alginate.
- Q3 Discuss about of Pharmaceutical Aid - and define any two drugs.?
- (a) Guar Gum (b) Lonalin (c) Gelatin
- ~~Q4 Discuss about of the surgical drugs and write down any~~

4 Discuss about of Surgical ~~dress~~ dressing and write down biological source and chemical constituents any two drug of the following.

- (a) Cotton (b) Fibres (c) Silk.

UNITED SECULAR SOCIETY