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2022

D.Pharm. 1st Year End-Term Examination

Part-I

PHARMACOGNOSY (THEORY)

Full Marks – 80

Time – Three hours

The figures in the margin indicate full marks for the questions.

1. Answer ALL questions : (20)
- I. Multiple choice questions : (10 × 1 = 10)
- (i) Squill contains which type of glycoside
- (a) Cardiac (b) Flavonoid
(c) Anthraquinone (d) Bitter
- (ii) Cod liver oil contains vitamin
- (a) A (b) C
(c) D (d) Both (a) and (c)
- (iii) Gold beaters skin test is specific for
- (a) Alkaloid (b) Glycoside
(c) Resin (d) Tannin
- (iv) Balsams contains mainly acids
- (a) Acetic acid + Benzoic acid
(b) Cinnamic acid + hydrochloric acid
(c) Benzoic acid + Sulphuric acid
(d) Benzoic acid + Cinnamic acid
- (v) The water soluble portion of Tragacanth is
- (a) Bassorin (b) Tragacathin
(c) Galactouronic acid (d) None of the above

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(vi) The antihypertensive activity of Rauwolfia is due to the presence of

- (a) Reserpine (b) Rescinamine
(c) Deserpidine (d) All of the above

(vii) Name the combination to form oleoresin

- (a) Volatile oil + Gum + Resin (b) Sugar + Resin
(c) Volatile oil + Resin (d) Benzoic acid + Resin

(viii) Which drug found to contain Vasicinone

- (a) Asafoetida (b) Amla
(c) Vasaka (d) Ginger

(ix) Name the drug having synonym of Foxglove leaves

- (a) Belladonna (b) Digitalis
(c) Clove (d) None of the above

(x) _____ is obtained from definite anatomic parts of the plants such as flowers, leaves, fruits etc

- (a) Organized drug (b) Unorganized drug
(c) Both (a) and (b) (d) None of the above

II. Fill in the blanks :

(5 × 1 = 5)

- (a) Myrobalan contains _____ type of tannin.
(b) Aloe belongs to the family of _____.
(c) Rhubarb is obtained from rhizome of _____.
(d) The indole alkaloid part of Vinblastin is called _____.
(e) Homeopathic system of medicine was invented by _____.

III. Answer in brief :

(5 × 1 = 5)

- (a) Who had written De Materia Medica?
(b) What is Churna?
(c) Define Nutraceuticals.
(d) Who had coined the term Pharmacognosy and in which year.
(e) What is Ecuelle method?

2. Answer any *ten* questions : (10 × 3 = 30)
- (a) Define official and Unofficial drugs. (3)
 - (b) Write about homeopathic system of medicine. (3)
 - (c) Explain Prebiotics and Probiotics with example. (3)
 - (d) Write down biological source and uses of the following drug (3 × 1 = 3)
Vasaka, Ginger, Arjuna.
 - (e) Describe Goldbeater's skin test. (3)
 - (f) Describe various process of adulteration of crude drug. (3)
 - (g) Define Glycoside. Write one identification test for glycoside. (1 + 2)
 - (h) Give two chemical constituents of each of the following drugs (3 × 1 = 3)
Cinchona, Digitalis, Tea
 - (i) Write a brief note on Herbal formulations. (3)
 - (j) Enumerate the enfleurage method of isolation of volatile oil. (3)
 - (k) Write briefly on Bhasmas. (3)
3. Answer any *six* questions : (6 × 5 = 30)
- (a) Explain the scope of Pharmacognosy. (5)
 - (b) Define and classify Plant fiber. (2 + 3)
 - (c) What do you mean by evaluation of crude drugs? Explain physical evaluation of crude drugs. (1 + 4)
 - (d) Explain the preparation process of Arista. (5)
 - (e) Write down the role of medicinal and aromatic plants in national economy. (5)
 - (f) Write down the source and therapeutic and cosmetic uses of Aloe Vera Gel and Sandalwood oil. (2.5 + 2.5)
 - (g) Write short notes on : (2.5 + 2.5)
 - (i) Omega-3 fatty acids
 - (ii) Spirulina