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Roll No.

341455(41)

**B. Pharmacy (Fourth Semester) Examination,
April-May 2019**

(PCI Scheme)

(Pharmacy Branch)

PHARMACOGNOSY-I

(Theory : BP405T)

Time Allowed : Three hours

Maximum Marks : 75

Note : Attempt all Patterns.

Pattern-1

20×1=20

(Multiple Choice Questions)

Note : Attempt all questions. Each question carries 1 mark.

1. (i) Select the drug, which is not belonging to glycoside class?
- (a) Digitalis

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PTO

- (b) Senna
(c) Nux vomica
(d) Cascara

(ii) Is known as father of medicine?

- (a) Aristotle
(b) Dioscorides
(c) Hippocrates
(d) Galen

(iii) Drug is not under the class of organized drug :

- (a) Leaves
(b) Flowers
(c) Fruits
(d) Gums

(iv) Drug is not an example of organized crude drug :

- (a) Digitalis
(b) Cinchona
(c) Aloe
(d) Clove

(v) Oil is showing laxative property :

- (a) Arachis oil

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- (b) Sesame oil
- (c) Castor oil
- (d) Corn oil

(vi) Oil is having antileprotic property :

- (a) Linseed oil
- (b) Jojoba oil
- (c) Chaulmoogra oil
- (d) Corn oil

(vii) Important chemical constituent honey is :

- (a) Glucose <http://www.csvtuonline.com>
- (b) Fructose
- (c) Maltose
- (d) Invert sugar

(viii) True alkaloids are always present in plants as :

- (a) Salts of inorganic acid
- (b) Salts of organic acid
- (c) Salts of me conic acid
- (d) Salts of benzoic acid

(ix) Protoalkaloids are also called as :

- (a) Amino alkaloid

- (b) Pseudo alkaloid
- (c) True alkaloid
- (d) Extra alkaloid

(x) Stas-otta process is used for extraction of :

- (a) Glycosides
- (b) Alkaloids
- (c) Terpenoids
- (d) Resins

(xi) Senna mainly contains :

- (a) O-glycosides
- (b) N-glycosides
- (c) C-glycosides
- (d) S-glycosides

(xii) Senna leaf is under the class of glycoside :

- (a) Cardiac
- (b) Cyanogenic
- (c) Anthracene
- (d) Saponin

(xiii) is not the synonym of Liquorice.

- (a) Glycyrrhiza

- (b) Liquorice root
 - (c) Mulethi
 - (d) Yam
- (xiv) The patient with deficiency of vitamin A, which oil capsules you will suggest?
- (a) Shark liver oil
 - (b) Mustard oil
 - (c) Arachis oil
 - (d) Linseed oil
- (xv) Which of the following oil is used as vehicle of oily injectables?
- (a) Arachis oil
 - (b) Linseed oil
 - (c) Castor oil
 - (d) Jojoba oil
- (xvi) Resins are classified into following subclasses except :
- (a) Acid
 - (b) Ester
 - (c) Resin alcohol
 - (d) Resin ether

- (xvii) Oleo gum resins are mixture of :
- (a) Volatile oil + Gum + Resins
 - (b) Fixed oil + Gum + Resin
 - (c) Fats + Gum + Resin
 - (d) Gum + Resins
- (xviii) Example of alcohol volatile oil :
- (a) Peppermint
 - (b) Cinnamon
 - (c) Lemon peel
 - (d) Orange peel
- (xix) The clove oil contains important terpenoid :
- (a) Eugenol
 - (b) Anethol
 - (c) Menthol
 - (d) Cineol
- (xx) Biological source of Garlic is :
- (a) Allium sativum
 - (b) Pinus roxburghii
 - (c) Thymus vulgaris
 - (d) Santalum album

(Long Answer Questions)

Note : Attempt any two questions. Each question carries 10 marks.

1. Discuss various plant hormones and their application in cultivation of Medicinal plant.
2. Define plant tissue culture. Explain types of cultures, nutritional requirements and their growth and maintenance.
3. Discuss in detail about classification, property and test for identification of alkaloids.

(Short Answer Questions)

Note : Attempt any seven questions. Each question carries 5 marks.

4. Describe history, scope and recent development of pharmacognosy.
5. Write different factor influencing cultivation of medicinal plants.

7. Write short notes on :

- (a) Polyploidy
- (b) Mutation

8. Write source, preparation, evaluation and therapeutic use of following drugs : (any two)

- (a) Acacia
- (b) Honey
- (c) Tragacanth
- (d) Honey

9. Define crude drugs and give classification of crude drugs.

10. Write in detail note on of the following : (any two)

- (a) Castor oil
- (b) Wool fat
- (c) Beeswax

11. Explain the traditional system of medicine.

12. Define classify the Adulteration of crude drugs.

13. Define and describe Evaluation of crude drugs.