

B.Pharm. (CBCS Pattern) Semester-IV
BP405T - Pharmacognosy & Phytochemistry-I

Time : Three Hours



Max. Marks : 75

Notes :

1. All questions are compulsory.
2. Illustrate your answers wherever necessary with the help of neat sketches.

20

- i) Example of C-glycoside is -----.
 - a) Senna
 - b) Alovera
 - c) Black pepper
 - d) Clove
- ii) Hydnocarpus oil contain ----- % of hydnocarpic acid.
 - a) 10%
 - b) 70%
 - c) 25%
 - d) 18%
- iii) Who is known as first pharmacist.
 - a) Dioscorides
 - b) Galen
 - c) Hippocrates
 - d) Aristotle
- iv) Example of organized dug.
 - a) Clove
 - b) Kaolin
 - c) Bentonite
 - d) All of the above
- v) Which of the following is not the method of evaluation / standardization of crude drugs.
 - a) Alphabetical
 - b) Morphological
 - c) Microscopical
 - d) Chemical
- vi) The most commonly used gelling agent in culture medium is -----
 - a) Gelatin
 - b) Agar-Agar
 - c) Methyl cellulose
 - d) All of the above
- vii) Stas-otta process is used for extraction of -----
 - a) Alkaloids
 - b) Glycosides
 - c) Tannins
 - d) Volatile oil
- viii) Father of plant tissue culture.
 - a) Libach
 - b) Haberlandt
 - c) Bonner
 - d) Hippocrates
- ix) Panchamahabhuta and tridosha theory is related to
 - a) Homeopathy
 - b) Ayurveda
 - c) Unani
 - d) Aromatherapy
- x) Who developed the Homoeopathic system of medicine.
 - a) Shen Nung
 - b) Samuel Hahnemann
 - c) N. Lemary
 - d) Sir Edward

- xi) Who is known as father of medicine.
- | | |
|----------------|-----------------|
| a) Hippocrates | b) Aristotle |
| c) Dioscorides | d) Theophrastus |
- xii) Urokinase is isolated from -----
- | | |
|----------------|-----------------|
| a) Human urine | b) Human saliva |
| c) Human faces | d) Human lungs |
- xiii) Which of the following is not the method of evaluation / standardization of crude drugs.
- | | |
|------------------|------------------|
| a) Alphabetical | b) Morphological |
| c) Microscopical | d) Chemical |
- xiv) Example of C-glycoside is -----
- | | |
|-----------------|------------|
| a) Senna | b) Alovera |
| c) Black pepper | d) Clove |
- xv) Which of the following is not Macronutrient.
- | | |
|--------------|-------------|
| a) Copper | b) Nitrogen |
| c) Potassium | d) Sulphur |
- xvi) Example of organized drug.
- | | |
|--------------|---------------------|
| a) Clove | b) Kaolin |
| c) Bentonite | d) All of the above |
- xvii) Which of the following is the factor affecting cultivation of medicinal plants.
- | | |
|----------------|-----------------------|
| a) Altitude | b) Rain-fall and soil |
| c) Temperature | d) All of the above |
- xviii) Example of True alkaloid is -----
- | | |
|-------------|-------------|
| a) Caffeine | b) Atropine |
| c) Hyoscine | d) Hygrine |
- xix) Non-sugar and aglycone moiety is known as -----
- | | |
|-------------|------------|
| a) Genin | b) Agenin |
| c) Sinigrin | d) Myrosin |
- xx) Who introduced the protoplasmic plant tissue culture.
- | | |
|------------|---------------|
| a) Kuster | b) Zenk |
| c) Cocking | d) Haberlandt |

2. Solve any two.

**2x10
=20**

- Define cultivation. Explain various factors affecting cultivation of medicinal plant.
- Define and classify alkaloids and give the chemical test and properties of alkaloids.
- Define drug evaluation explain the standardization of crude drug.

3. Solve **any seven**.

7x5
=35

- a) Write a short note on Natural allergens.
- b) Give Synonym, Biological source, Chemical constituents and Uses of Jute and Hydnocarpus oil.
- c) Define Plant tissue culture give in detail about type of culture.
- d) Write a short note on Hallucinogens.
- e) Write a brief note on fibres.
- f) Short note on Edible vaccines.
- g) Define cultivation. Explain various factors affecting cultivation of medicinal plant.
- h) Write a brief note on fibres.
- i) Define adulteration. Explain the conditions involved in adulteration.
