

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

P. Pages : 3

Time : Three Hours



GUG/W/24/11989

Max. Marks : 75

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Illustrate your answers wherever necessary with the help of neat sketches.

1. Multiple Choice Questions.

20

- i) Lycopodium powder contain on an average spores count.
 - a) 28600
 - b) 94000
 - c) 96000
 - d) 86000
- ii) Glycosides on enzymatic or acidic hydrolysis yield.
 - a) One or more sugar moiety
 - b) Non sugar moiety with sugar moiety
 - c) Both a & b
 - d) None of these
- iii) Which of the following is not an unorganized form of crude drug?
 - a) Tragacanth
 - b) Aloe
 - c) Dhatura
 - d) Gelatin
- iv) The acid insoluble ash value is helpful in determining.
 - a) Inorganic content of crude drud
 - b) Organic content
 - c) Sand and dirt content of sample
 - d) Both a & b
- v) Who coined the term Aromatheraphy?
 - a) Theophratus in 1930
 - b) Rene-MauriceGantle Fossee in 1928
 - c) Cavertou in 1925
 - d) Hooker in 1910
- vi) Which of the following are not micronutrient?
 - a) Copper
 - b) Nitrogen
 - c) Potassium
 - d) Sulphur
- vii) The most exclusively used gibberellin's are
 - a) GA3
 - b) 2,4,5-T
 - c) TDZ
 - d) All of the above
- viii) The principle source of water for soil is
 - a) River
 - b) Canal
 - c) Rain
 - d) All of these
- ix) Which vitamin is essential for plant tissue culture?
 - a) Riboflavin
 - b) Thiamine
 - c) Niacin
 - d) Ascorbic acid

- x) Which phytohormone is responsible for induction of parthenocarpy?
- Auxin
 - Zeatin
 - Gibberellins
 - Ethylene
- xi) The main function of stomata is
- Exchange of gases
 - Elongate the roots
 - Space for growth
 - To prepare the food
- xii) Panchmahabhuta and Tridosha theory is related to
- Homeopathy
 - Ayurveda
 - Unani
 - Aromatherapy
- xiii) Estimation of potency of crude drug on living organism is called.
- Bioassay
 - Texting
 - Extraction
 - None of these
- xiv) Which alkaloids is called as amino alkaloids?
- Pseudo alkaloids
 - True alkaloids
 - Proto alkaloids
 - All of these
- xv) Water soluble extractive method is applied to drug which contains following active constituent.
- Sugar
 - Tannins
 - Glycosides
 - All of these
- xvi) In organoleptic evaluation, drugs are evaluated by following characteristics
- Chemical constituent
 - Therapeutic factors
 - Histological characters
 - Morphological characters
- xvii) Following crude is obtained from animal source.
- Agar
 - Gelatin
 - Canada balsam
 - Asafetida
- xviii) Which system of medicine is based on the concept of proving and prover?
- Homeopathy
 - Unani
 - Ayurveda
 - Siddha
- xix) Oleo gum resin is a combination of
- Volatile oil and gum
 - Gum and resin
 - Oleo and resin
 - Volatile oil, gum and resin
- xx) The abnormal production of gum by plants metabolism is called
- Gummosis
 - Hydrolysis
 - Excretion
 - Reduction

2. Long question answer (solve any two).

**10x2
=20**

- i) Explain in brief evaluation of drugs of natural origin.

- ii) Explain briefly definition, classification, properties and test for Alkaloids.
- iii) Define and produce advantage of cultivation. Enlist and explain factors affecting cultivation of all medicinal plants.

3. Short question answer (solve any seven).

**7x5
=35**

- i) Differentiate between organized and unorganized crude drug.
- ii) Leaf constant.
- iii) Factors affecting cultivation of medicinal plants.
- iv) Polyploidy.
- v) Edible vaccine.
- vi) Traditional system of medication.
- vii) Explain the role of papain as enzyme.
- viii) Novel medicinal agents from marine source.
- ix) Write a short note on types of culture used in plant tissue culture.
