

**B. PHARM.
FOURTH SEMESTER
PHARMACOGNOSY & PHYTOCHEMISTRY I
BP405T**

**SET
C**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration : 3 hrs.

Full Marks : 75

[PART-A: Objective]

Time : 30 min.

Marks : 20

Choose the correct answer from the following:

1×20=20

1. Panchamahabhuta and tridosha theory is related to..
 - a. Ayurveda
 - b. Homeopathy
 - c. Unani
 - d. None of the above
2. Cotton consist of hairs of the seeds of ..
 - a. Syzigium cumini
 - b. Ficus racemosa
 - c. Cyamopsis tetragonolobus
 - d. Cassia angustifolia
3. Hemp and Jute are..
 - a. Animal fibres
 - b. Plant fibres
 - c. Mineral fibres
 - d. Synthetic fibres
4. Serratiopeptidase is obtained from.
 - a. Bones
 - b. Tissue
 - c. Silkworm
 - d. Stomach of pig
5. Like cures like is the principle of ..
 - a. Ayurveda
 - b. Homeopathy
 - c. Unani
 - d. Siddha
6. Siddha system of medicine is originated from.
 - a. Punjab
 - b. West Bengal
 - c. Delhi
 - d. Tamil nadu
7. Senna respond to..
 - a. Goldbeater,s skin test
 - b. Vitali morin test
 - c. Borntrager test
 - d. None of the above
8. The example of pseudo alkaloid:
 - a. Caffeine
 - b. Atropine
 - c. Quinine
 - d. Morphine
9. The three types of alkaloids are:
 - a. True alkaloids, false alkaloids and neutral alkaloids
 - b. Proto alkaloids, pseudo alkaloids and false alkaloids
 - c. Proto alkaloids, non-proto alkaloids and pseudo alkaloids
 - d. True alkaloids, proto alkaloids and pseudo alkaloids

10. Which is the specific chemical test to confirm flavanoids..
 - a. Vitali morin test
 - b. Shinoda test
 - c. Borntrager test
 - d. Mayers test
11. Tissue culture technique was first practiced by
 - a. White
 - b. Halperin
 - c. Haberlandt
 - d. Skoog
12. What are explants?
 - a. It's a part of plant or plant grown in a test tube
 - b. It's a part of plant under soil
 - c. Both a and b
 - d. None of the above
13. Plant tissue culture is technique of?
 - a. In vivo growing cells
 - b. In vitro maintaining and growing cells
 - c. Growing plants in a greenhouse
 - d. All of the above
14. Totipotency refers to _____
 - a. Development of fruits from flowers in a culture
 - b. Development of an organ from a cell in a culture Medium
 - c. Flowering in a culture medium
 - d. All of the above
15. Crosses are made between two different species of the same genus is known as..
 - a. Intraspecific hybridization
 - b. Intravarietal hybridization
 - c. Interspecific hybridization
 - d. None of the above
16. Naturally occurring Auxin is..
 - a. IBA
 - b. Indole 3-acetic acid
 - c. NAA
 - d. None of the above
17. Parathion is a..
 - a. Insecticide
 - b. Rodenticide
 - c. Herbicide
 - d. Fungicide
18. The term pharmacognosy explained in the book..
 - a. Materia medica
 - b. Pentsao
 - c. Analecta pharmacognistica
 - d. Medicine
19. Drug is not an example of unorganized crude drug
 - a. Cinchona
 - b. Aloe
 - c. Agar
 - d. Colophony
20. Drug is not under the class of organized drug :
 - a. Leaves
 - b. flowers
 - c. Fruits
 - d. Gums

(PART-B : Descriptive)

Time : 2 hrs. 30 min.

Marks : 35

[Answer any seven (7) questions]

1. Write down the general steps involved in plant tissue culture(PTC) 5
2. Explain the types of adulteration of crude drugs. 5
3. Differentiate between organized and unorganized crude drugs. 5
4. Write a note on edible vaccines. 5
5. Write down the classification of alkaloids with examples. 5
6. Write down the application of Plant tissue culture. 5
7. Write down classification of natural allergens along with examples. 5
8. Write down the sources, preparation and uses of Papain. 5
9. Write a short note on Wool fat and Chaulmoogra oil. 5

(PART-C: Long type questions)

[Answer any two (2) questions]

1. Discuss the factors affecting the cultivation of medicinal plants with suitable examples. 5+5=10

2. Explain in details about the nutritional requirements of Plant tissue culture(PTC) 10

3. What are marine drugs? Write down the novel medicinal agents obtained from the marine sources. 10

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