

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

**SET
A**

[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. Drug is not under the class of organized drug :
 - a. Leaves
 - b. flowers
 - c. Fruits
 - d. Gums
2. Drug is not an example of unorganized crude drug
 - a. Cinchona
 - b. Aloe
 - c. Agar
 - d. Colophony
3. The term pharmacognosy explained in the book..
 - a. Materia medica
 - b. Pentsao
 - c. Analecta pharmacognistica
 - d. Medicine
4. Parathion is a..
 - a. Insecticide
 - b. Rodenticide
 - c. Herbicide
 - d. Fungicide
5. Naturally occurring Auxin is..
 - a. IBA
 - b. Indole 3-acetic acid
 - c. NAA
 - d. None of the above
6. 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
7. 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
8. 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
9. 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

10. Tissue culture technique was first practiced by
 a. White
 b. Halperin
 c. Haberlandt
 d. Skoog
11. Which is the specific chemical test to confirm flavanoids..
 a. Vitali morin test
 b. Shinoda test
 c. Borntrager test
 d. Mayers test
12. 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
13. The example of pseudo alkaloid:
 a. Caffeine
 b. Atropine
 c. Quinine
 d. Morphine
14. Senna respond to..
 a. Goldbeater,s skin test
 b. Vitali morin test
 c. Borntrager test
 d. None of the above
15. Siddha system of medicine is originated from.
 a. Punjab
 b. West Bengal
 c. Delhi
 d. Tamil nadu
16. Like cures like is the principle of .
 a. Ayurveda
 b. Homeopathy
 c. Unani
 d. Siddha
17. Panchamahabhuta and tridosha theory is related to..
 a. Ayurveda
 b. Homeopathy
 c. Unani
 d. None of the above
18. Cotton consist of hairs of the seeds of ..
 a. Syzigium cumini
 b. Ficus racemosa
 c. Cyamopsis tetragonolobus
 d. Cassia angustifolia
19. Hemp and Jute are..
 a. Animal fibres
 b. Plant fibres
 c. Mineral fibres
 d. Synthetic fibres
20. Serratiopeptidase is obtained from.
 a. Bones
 b. Tissue
 c. Silkworm
 d. Stomach of pig
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(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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