

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

**SET
B**

[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

- Serratiopeptidase is obtained from.
a. Bones
b. Tissue
c. Silkworm
d. Stomach of pig
- Hemp and Jute are..
a. Animal fibres
b. Plant fibres
c. Mineral fibres
d. Synthetic fibres
- Commonly used solidifying medium for tissue culture medium..
a. Gelatin
b. Starch
c. Agar
d. Pectin
- Panchamahabhuta and tridosha theory is related to..
a. Ayurveda
b. Homeopathy
c. Unani
d. None of the above
- Like cures like is the principle of .
a. Ayurveda
b. Homeopathy
c. Unani
d. Siddha
- Siddha system of medicine is originated from.
a. Punjab
b. West Bengal
c. Delhi
d. Tamil nadu
- Senna respond to..
a. Goldbeater's skin test
b. Vitali morin test
c. Borntrager test
d. None of the above
- The example of pseudo alkaloid:
a. Caffeine
b. Atropine
c. Quinine
d. Morphine
- In-plant tissue culture, the callus tissues are generated into a complete plantlet by altering the concentration _____.
a. Sugars
b. Hormones
c. Amino Acids
d. Vitamins and minerals

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. Organoleptic evaluation is also known as.....
 - a. Microscopical
 - b. Morphological
 - c. Biological
 - d. Chemical
16. It is the average number of palisade cells below epidermal cells.....
 - a. Stomatal number
 - b. Palisade ratio
 - c. Vein islet number
 - d. Stomatal index
17. The study of antigen-antibody reaction is called as.....
 - a. Pharmacognosy
 - b. Toxicology
 - c. Serology
 - d. Morphology
18. The term pharmacognosy explained in the book..
 - a. Materia medica
 - b. Pentsao
 - c. Analecta pharmacognistica
 - d. Medicine
19. Which drug is not an example of unorganized crude drug.
 - a. Cinchona
 - b. Aloe
 - c. Agar
 - d. Colophony
20. Which optical instrument, when attach with a component microscope helped drawing microscope images of objects on the paper ?
 - a. Microscope
 - b. Lycopodium Spore method
 - c. Camera Lucida
 - d. None

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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. Explain in detail the lycopodium spore techniques. 5
4. Write a note on edible vaccines. 5
5. Discuss the types and application of mutation 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 down the sources, preparation and uses of honey. 5

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PART-C: Long type questions
[Answer any two (2) questions]

1. Discuss the factors affecting the cultivation of medicinal plants with suitable examples. 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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