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**Examination, 2022-2023 (Model Paper)**

**Course Name: Pharma**

**Year: Second Year**

**Branch: Pharm D.**

**Subject: Pharmacognosy And Phytopharmaceuticals**

Time: 3 Hours

Max.Marks:70

Note :- Attempt all parts.

**PART - A**

**QUESTION NO. 1 TO 15, ATTEMPT ALL QUESTIOS (15x1=15)**

1. Which of these is not a lipid?

- A. Fats
- B. Oils
- C. Proteins
- D. Waxes

2. He term 'Pharmacognosy' was coined by.

- A. Pelletier
- B. Seydler
- C. Sertuener
- D. Stars & Otto

3. Swelling Index is used to determine amount of following in the crude drugs

- A. Moisture

B. Volatile oils

C. Crude fibres

D. Mucilage

4. Turpentine oil is an example of

A. Ether volatile oil

B. Ketone volatile oil

C. Hydro carbon volatile oil

D. Aldehyde volatile oil Fennel

5. The abundantly distributed enzyme in germinating seeds and adipocytes is

A. Lipase

B. Proteases

C. Cellulase

D. Nuclease

6. In India, menthol is mainly produced from oil of

A. *Mentha spicata*

B. *Mentha arvensis*

C. *Mentha piperata*

D. *Mentha viridis*

7. The plant hormone which shows specific effect on cell division is

A. Auxins

B. Abscisic acid

C. Cytokinins

D. Ethylene

8. The chemical constituents responsible for skin care effect of aloe vera are

A. Polysaccharides

B. Anthraquinone glycoside

C. Volatile oil

D. None of the above

9. Citrus peels oil is extracted by

A. Steam distillation

B. Enflurage

C. Eculle method

D. Maceration

10. Tulsi belongs to the family of

A. Lauraceae

B. Acanthaceae

C. Zingiberaceae

D. Labiatae

11. Endogenous factor for cultivation is

A. Transport

B. Fertilizer

C. Soil nature

D. Chemical race

12. Father of Indian Pharmacognosy

A. Aristotle

B. Shen Nyng

C. Dr. C.K Kokate

D. Hippocarates

13. The name Pharmacognosy coined in the year.....

A. 1815

B. 1818

C. 1854

D. 1813

14. Bark containing palnt drug is.....

A. Cinchona

B. Castor

C. Mustard

D. Mango

15. Optimum temperature for propagation is

A. 25°- 35°

B. 18°- 28°

C. 30°- 35°

D. 10°- 20°

### **PART - B**

**QUESTION NO. 16 TO 18, ATTEMPT ANY 2)**

**(2x10=20)**

16. Tabulate in detail about methods of cultivation, collection and storage of crude drugs.

17. Illustrate the chemistry, extraction methods and analyze of proteins..

18. Examine plant fibers used in surgical dressing and inscribe in detail about any 3 crude drugs that it contains in its related products.

### **PART - C**

**QUESTION NO. 19 TO 27, ATTEMPT ANY 5)**

**(5x7=35)**

19. Enumerate the history and scope of Pharmacognosy.

20. How will you evaluate the adulteration by physically and microscopically?

21. Demonstrate in detail about the pharmacognostical properties of any two fruit drugs which you have studied.

22. Quota the plant growth regulation. Discriminate the classification and illustrate them.

23. Compare the cell wall Constituents and cell inclusions.
24. Give on account of extraction and method of extraction.
25. Interpret Carbohydrate. Put a record on any two carbohydrates containing drugs.
26. Conclude the microscopical classification of crude drug with example.
27. Summarize the natural pesticides and explain about pyrethrum.