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Part—I

(Multiple Choice Questions)

Note : Attempt all questions. Each question carries 1 mark. 20×1=20

1. The term 'Pharmacognosy' was used for the first time by :
 - (a) American physician Schmidt (1811)
 - (b) The Greek physician Schmidt (1811)
 - (c) The Austrian physician Schmidt (1811)
 - (d) The Indian physician Schmidt (1811)
2. Pharmacognosy deals with :
 - (a) Dosage form
 - (b) Unprepared natural drug
 - (c) Only with tablet
 - (d) All of the above

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3. Theophrastus is well known for his study of :
 - (a) Plants
 - (b) Animals
 - (c) Both (a) and (b)
 - (d) None of the above
4. Mineral drugs are not included in the classification method of drugs.
 - (a) Alphabetical
 - (b) Taxonomical
 - (c) Morphological
 - (d) Pharmacological
5. A typical monograph guideline on botanical, physico-chemical, pharmacological, toxicology, phytochemical parameter for crude drugs :
 - (a) WHO

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(b) CIDSCO

(c) USFDA

(d) CPCSEA

6. Substitution is :

(a) Mixing of drugs

(b) When official drug is not available

(c) Contain less or no active constituent

(d) All of the above

7. Cocoa butter is adulterated with

(a) Paraffin

(b) Lard

(c) Limestone

(d) Kokum butter

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8. Talc is source of drug :

(a) Marine

(b) Mineral

(c) Animal

(d) Plant

9. Drug is not under the chemical class of Indole alkaloid :

(a) Reserpine

(b) Ergotamine

(c) Ergometrine

(d) Pilocarpine

10. Carotenoid is an example of :

(a) Monoterpenoid

(b) Diterpenoid

(c) Triterpenoid

(d) Tetraterpenoid

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11. The degree of basicity of alkaloid mostly depends upon the influences caused due to :

- (a) Electrostatic status of oxygen atom
- (b) Electrostatic status of carbon atom
- (c) Electrostatic status of sulphur atom
- (d) Electrostatic status of nitrogen atom

12. Which alkaloid is used to treat migraine ?

- (a) Ergot
- (b) Hysostigma
- (c) Rauwolfia
- (d) Curare

13. In test a pink or red colour appears in the ammoniacal layer which confirms the presence of anthraquinone moiety.

- (a) Bontrager's

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(b) Modified Bontrager's

(c) Haemolysis

(d) Foam

14. Betatane is the brand name of which component ?

- (a) Lutein ester
- (b) Carotenoids
- (c) Phytosterol
- (d) Soyabean

15. The main location of pitta in the body are the following, except :

- (a) Small intestine
- (b) Spleen
- (c) Pancreas
- (d) Saliva

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16. Prepared opium powder contains of morphine.

- (a) 1.0%
- (b) 10.0%
- (c) 2.0%
- (d) 20.0%

17. *Catharanthus roseus* contains two alkaloids which are effective in the treatment of Neoplastic agent. They are :

- (a) Strychnine and brucine
- (b) Morphine and codeine
- (c) Vincristine and vinblastine
- (d) None of the above

18. Olive oil is used as :

- (a) Emollient and soothing effects
- (b) Soap and perfume
- (c) Flavouring agent
- (d) Essential oil

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19. Siddha system of medicine originated from :

- (a) Tamil culture
- (b) Bengali culture
- (c) Punjabi culture
- (d) North-east culture

20. Essential oils are used in making in cooking, in the food, pharmaceutical, cosmetics liquor industries.

- (a) Cardiotoxic
- (b) Perfume
- (c) Laxative
- (d) Analgesic

Part-II

(Short Answer Type Questions)

Note : Attempt any *ten* questions out of twelve questions. Each question carries 3 marks.

10×3=30

1. Explain the history of Pharmacognosy.

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2. Differentiate organized and unorganized crude drugs with example.
3. Explain general extraction method for alkaloid.
4. Give chemical tests and uses of tannins.
5. Explain biological source and chemical constituent of Senna and Aloe.
6. Explain in detail Digitalis.
7. What is suture ? What are the types and uses of suture ?
8. Explain preparation of Ghutika and Churna.
9. Explain preparation of Arishta and Asavas.
10. Define adulteration. Classify them. Explain various methods of detection of adulteration.

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and status of

11. List out benefits and status of nutraceuticals.
12. Explain herbal tablet.

Part-III

(Long Answer Type Questions)

Note : Attempt any six questions out of seven questions. Each question carries 5 marks. $6 \times 5 = 30$

1. What is herbal formulation ? Give the various challenges and factors affecting herbal formulation.
2. Explain basic principle of Ayurveda and Siddha.
3. Give the physical and chemical properties of silk.
4. Explain in detail about Oxytocic drug.
5. Explain biological source, family, chemical constituent and uses of Myrobalan and Black catechu.

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6. Define glycoside. Give their occurrence and distribution. Give their properties. Classify in detail with example.
7. Define crude drugs. Classify them and discuss them in brief with example.

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