



## BRAINWARE UNIVERSITY

Term End Examination 2023  
Programme – D.Pharm-2022  
Course Name – Pharmacognosy –Theory  
Course Code - ER20-13T  
( Year I )

Full Marks : 80

Time : 3:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

### Group-A

(Multiple Choice Type Question)

1 x 20=20

1. Choose the correct alternative from the following :

- (i) Predict the correct answer Cardenolide is a
- |                    |                    |
|--------------------|--------------------|
| a) 5 membered ring | b) 7 membered ring |
| c) 6 membered ring | d) $\beta$ Linkage |
- (ii) Predict the correct answer Sugar moiety of Glycosides is known as
- |             |             |
|-------------|-------------|
| a) isoprene | b) Genin    |
| c) Glycone  | d) Terpenes |
- (iii) Predict the correct answer Condensed Tannins are
- |                     |                 |
|---------------------|-----------------|
| a) Non hydrolysable | b) Hydrolysable |
| c) Miscible         | d) Immiscible   |
- (iv) Identify the family of cod liver oil
- |                |             |
|----------------|-------------|
| a) Santalaceae | b) Oleaceae |
| c) Labiatae    | d) Gadidae  |
- (v) Identify the correct answer Father Of Natural History
- |              |                |
|--------------|----------------|
| a) Aristotle | b) Samuel      |
| c) Siddhars  | d) Phythagoras |
- (vi) Identify the correct answer Belladonna is an
- |                   |                |
|-------------------|----------------|
| a) Vegetable drug | b) Animal Drug |
| c) Mineral        | d) Metals      |
- (vii) Select the synonyms of Ma-Haung
- |                  |                  |
|------------------|------------------|
| a) Black catechu | b) Ephedra       |
| c) Belladonna    | d) None of these |

- (viii) Identify the correct answer Gomathi refers to  
 a) Datura Stramonium  
 c) Papaver Somniferum  
 b) Aloe Barbadensis  
 d) Nerium Indicum
- (ix) Identify the correct answer Bhasma refers to which kind of dosage form  
 a) Semi solid  
 c) Solid  
 b) Liquid  
 d) Powder
- (x) Identify the correct answer Opium is an  
 a) Animal Drug  
 c) Vegetable drug  
 b) Metals  
 d) Mineral
- (xi) Identify the correct answer Ayurveda is based on  
 a) Rigveda  
 c) Yajurveda  
 b) Samaveda  
 d) Atharvaveda
- (xii) Select the source of Allicin  
 a) Plant  
 c) Microbial  
 b) Animal  
 d) All of the above
- (xiii) Select the source of Ascorbic acid  
 a) Plant  
 c) Microbial  
 b) Animal  
 d) All of the above
- (xiv) Identify the family of Lavender oil  
 a) Santalaceae  
 c) Oleaceae  
 b) Labiatae  
 d) None of these
- (xv) Predict the correct answer Which one is used for Separation of alkaloids  
 a) Diethyl ether  
 c) Ethanol  
 b) Chloroform  
 d) Methanol
- (xvi) Ascorbic acid identify as  
 a) Anti-oxidant  
 c) Anti-cancer  
 b) Anti-inflammatory  
 d) Anti-bacterial
- (xvii) Predict the correct answer Apparatus used for extraction  
 a) Hot air oven  
 c) Soxhlet apparatus  
 b) Arsenius apparatus  
 d) Dessicator
- (xviii) Select the correct option Spirulina is  
 a) Algae  
 c) Dried leaf  
 b) Dried seed  
 d) None of these
- (xix) Name of the plant part soya beans  
 a) Dried seed  
 c) Dried root  
 b) Dried leaf  
 d) Dried fruit
- (xx) Predict the correct answer An example of Cardiac Glycoside is  
 a) Bitter Almond  
 c) Solanum  
 b) Black Mustard  
 d) Digitalis

### Group-B

(Short Answer Type Questions)

3 x 10=30

- |   |     |
|---|-----|
| 2. Explain "Stomatal Index"   | (3) |
| 3. Explain Volatile oils and their properties                               | (3) |
| 4. Explain "Foreign Organic matter"   | (3) |
| 5. Describe the Biological source, chemical constituents and uses of Gutika | (3) |
| 6. Classify the Ayurvedic dosage form depending upon their physical form    | (3) |
| 7. Define with an example anti-tumor, anti-tussives, cardiotonic            | (3) |

8. Describe the Biological source, chemical constituents and uses of black pepper (3)  
9. Describe dietary fibres (3)  
10. Describe silk (3)  
11. Explain Resins and illustrate their properties (3)  
**OR**  
Explain Terpenoids and illustrate their general properties (3)

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**Group-C**  
(Long Answer Type Questions)

5 x 6=30

12. Describe the classification of crude drug with an example (5)  
13. Define carminative. Describe the Biological source, chemical constituents and uses of:  
Coriander or Fennel (5)  
14. Explain "Evaluation of crude drug" and illustrate any two evaluation methods. (5)  
15. Write the Biological source, chemical constituents and uses of Ergot (5)  
16. Distinguish between Arista and Asava (5)  
17. Classify Glycosides and focus on the method of isolation of glycosides (5)  
**OR**  
Focus on the identification test of Anthracene glycosides and Cardiac Glycosides (5)

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