



## BRAINWARE UNIVERSITY

### Term End Examination 2019 – 20

Programme – Diploma in Pharmacy

Course Name – Pharmacognosy

Course Code –1.3T

(D. Pharm first year final)

**Time allotted: 3 Hours**

**Full Marks: 80**

[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)

20 x 1 = 20

1. *Choose the correct alternative from the following*
  - (i) Cotton is obtained from:
 

a. Gossypium	b. Picea
c. Pistacia	d. Dhatura
  - (ii) Tobacco contains:
 

a. Reserpine	b. Brucine
c. Nicotine	d. Aconitine
  - (iii) Main part used in garlic is:
 

a. Seeds	b. Flowers
c. Whole plant	d. Bulb
  - (iv) Main chemical constituents present in Glycyrrhiza is:
 

a. Glycyrrhizic acid	b. Glucose
c. Maltose	d. Diosgenin
  - (v) Main part used in Linseed oil is:
 

a. Bulb	b. Runner stem
c. Seed	d. Fruits

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- (vi) Arachis oil is obtained from \_\_\_\_\_ family:
- a. Leguminosae
  - b. Rhodophyceae
  - c. Rubiaceae
  - d. Lauraceae
- (vii) Major adulterant mixed in bees wax is:
- a. Carnauba wax
  - b. Lanolin
  - c. Sugars
  - d. Galactose
- (viii) Main chemical constituent of sandal is:
- a. Resin
  - b. Tannin
  - c. Volatile oil
  - d. Alkaloid
- (ix) Main source of lemon oil is:
- a. *Citrus sinensis*
  - b. *Citrus limoni*
  - c. *Citrus aurantium*
  - d. *Citrus aromatica*
- (x) Yeast is a type of:
- a. Bacteria
  - b. Fungus
  - c. Moulds
  - d. Bryophytes
- (xi) Identify the drug belonging to antimalarial category:
- a. Ergot
  - b. Cinchona
  - c. Vinca
  - d. Gokhru
- (xii) Shark liver oil is rich source of:
- a. Vitamin B<sub>12</sub>
  - b. Vitamin A
  - c. Vitamin K
  - d. Vitamin B<sub>1</sub>
- (xiii) Biological source of Siam Benzoin is:
- a. *Styrax benzoin*
  - b. *Styrax tokinensis*
  - c. *Styrax paralleloneurus*
  - d. *Styrax domestica*
- (xiv) Curcuma is widely known for its:
- a. Laxative action
  - b. Cardiogenic action
  - c. Astringent action
  - d. Antiseptic action
- (xv) Botanical name of Ipecac is:
- a. *Cephaelis ipecacuanha*
  - b. *Tribulus terrestris*
  - c. *Boerhaavia diffusa*
  - d. *Mentha piperta*

- (xvi) Vincristine is used for:
- |                 |                 |
|-----------------|-----------------|
| a. Hypertension | b. Diabetes     |
| c. Leukaemia    | d. Constipation |
- (xvii) Balsam belongs to class of:
- |                   |                  |
|-------------------|------------------|
| a. Volatile oil   | b. Essential oil |
| c. Oleo-gum resin | d. Glycoside     |
- (xviii) Opium is obtained from:
- |           |         |
|-----------|---------|
| a. Leaves | b. Stem |
| c. Latex  | d. Seed |
- (xix) The main constituents in catechu are:
- |              |                  |
|--------------|------------------|
| a. Tannins   | b. Glycosides    |
| c. Alkaloids | d. Volatile oils |
- (xx) Zingiberene belongs to class of:
- |              |                 |
|--------------|-----------------|
| a. Alkaloids | b. Resin        |
| c. Vitamins  | d. Volatile oil |

**Group – B**

(Short Answer Type Questions)

8 x 5 = 40

Answer any *eight* from the following

- |                                                                                                                                        |         |
|----------------------------------------------------------------------------------------------------------------------------------------|---------|
| 2. Give five examples of plant drugs having carminative activity. Write their scientific names.                                        | 2.5+2.5 |
| 3. Write in short about hormones.                                                                                                      | 5       |
| 4. What do you mean by Phytoconstituents? Classify phytoconstituents with suitable examples.                                           | 1+4     |
| 5. Define alkaloids. Describe the therapeutic effects of alkaloids.                                                                    | 1+4     |
| 6. What is Balsam? Give one example of oleo-resin. Describe any two identification tests of resin.                                     | 1+ 1+ 3 |
| 7. Write the biological source of Clove. What are the adulterants of clove?                                                            | 1+ 4    |
| 8. What are the different commercial products of cannabis? Write a short note on collection and preparation of Opium.                  | 2+ 3    |
| 9. What is the biological source of Shark liver oil? What are the properties of enzymes? Give one example of Vitamin C enriched plant. | 1+3+1   |

10. What are the main chemical constituent of the following drugs? 1x5  
 i) Tulsi, ii) Vinca, iii) Colchicum, iv) Punarnava, v) Cinchona
11. Why belladonna is known as "the beautiful lady"? Write the biological source 1+ 2+ 2  
 of Ephedra. What are the adulterants of Belladonna?

### Group – C

(Long Answer Type Questions)

2 x 10 = 20

Answer any *two* from the following

12. Describe the following category of the drugs: 2.5x4
- Laxative 2.5
  - Pharmaceutical aid 2.5
  - Carminative 2.5
  - Antitussive 2.5
13. (a) What are the differences between T. Senna and A. Senna? 5  
 (b) What is the biological source of Rhubarb? 2  
 (c) What are the uses of Ispaghula? 3
14. Give five examples of flavouring agents with scientific names. Describe one of them in details. 5+5

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