

21/12/23

Seat Number

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DAGDU-30

(BP504T)

Pharmacognosy and Phytochemistry-II

(735504)

Total Pages : 2]

Time : 3 Hours

Max. Marks : 75

Note : (1) Do not write anything on question paper except Seat No.

(2) *All* questions are compulsory.

(3) Figures to the right indicate full marks.

(4) Draw well labelled diagram wherever necessary.

1. Objective type questions :

10×2=20

(1) Define biogenesis, secondary metabolites.

(2) Write physical properties of alkaloids

(3) What is true alkaloids ? Give example.

(4) What are ligands ?

(5) Write biological source and uses of Ruta.

(6) What are Triterpenoids ? Give *one* example.

(7) Define volatile oil. Write its use in therapy.

(8) Write chemical test and uses of Cinnamon.

(9) What are the chemical tests for identification of tannins ?

(10) What is stas-otto method ? Explain it.

P.T.O.

2. Answer any *two* out of three :

2×10=20

- (1) Classify Glucosides on the basis of their chemical structure. Give example of each class.
- (2) What is Biosynthetic pathway ? Give detail on malvonic acid pathway.
- (3) Classify terpens with example and write the method of extraction of volatile oil.

3. Answer any *seven* out of nine :

7×5=35

- (1) Write synonym, biological source, chemical constituent and uses of Belladonna.
- (2) How is green tea produced ?
- (3) Define cardiac glycoside and briefly classify them.
- (4) Write about Killer Killani test for digitalis.
- (5) Write physicochemical properties of volatile oil.
- (6) Write chemical test and uses of clove. Give structure of Eugenol.
- (7) How are tannins extracted and isolated ?
- (8) Write biological source, chemical constituents and uses of Bitter almond.
- (9) How is artemisinin isolated and estimated ?