

Total No. of Questions : 8]

[Total No. of Printed Pages : 2

Roll No .....

## PY-504 (CBGS)

### B.Pharmacy V Semester (Non-PCI Scheme)

Examination, November 2018

### Choice Based Grading System (CBGS)

### Pharmacognosy and Phytochemistry - II

Time : Three Hours

Maximum Marks : 75

- Note:** i) Attempt any five questions.  
ii) All questions carry equal marks.

1. Explain Shikimic acid pathway in detail.
2. Write composition, chemistry, biosources and therapeutic uses of Vinca and Rauwolfia.
3. Write isolation, identification and analysis of Phytoconstituents of atropine.
4. Write industrial production of Diosgenin.
5. Define role of various analytical technique in extraction and identification of crude drugs.

[2]

6. Describe role of radioactive isotopes investigation of biogenetic studies.
7. a) Write chemistry and therapeutic uses of digitalis.  
b) Write analysis of Caffeine.
8. Write short notes on any two:  
a) Amino acid pathway  
b) Therapeutic uses and commercial application of clove  
c) Identification test for curcumin

\*\*\*\*\*