

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)

B.PHARM. DEGREE EXAMINATION – August 2018
Second Year

INDUSTRIAL PHARMACOGNOSY

Time : Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x 15 = 30)

1. Discuss in detail the various methods involved in extraction and purification of phytoconstituents of crude drugs.
2. Elaborate on the preparation and standardization of churna and lehya
3. Write the latest spectroscopy technique employed in phytochemical analysis .

II. Write short essays on any **SIX** questions: (6 x 5 = 30)

4. Biogenesis of atropine
5. Application of plant tissue culture
6. Mevalonic acid pathway
7. Production of diosgenin
8. Principle of homeopathy
9. Role of radio active isotope in biogentic studies
10. Export potential medicinal and aromatic plants of India
11. Medicinal use of hallucinogens

III. Write short notes on any **FIVE** questions: (5 x 2 = 10)

12. Define aristas
13. What is hair root culture?
14. Asiaticosides
15. Gutikas
16. Extractive value
17. Uses of ergotamine
