

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

**B.PHARM. DEGREE EXAMINATION – JANUARY 2020
Sixth Semester**

HERBAL DRUG TECHNOLOGY

Time : Three hours

Maximum: 75 marks

I. Write essays on any **TWO** questions: (2 x 10 = 20)

1. a) Write the basic principle difference on the Indian system of Medicines. (5)
b) Write the stages involved in the cultivation and collection of herbal drugs. (5)
2. a) Write note on Phytosomes. (5)
b) Write short note on bio insecticides. (5)
3. a) Write the health benefits and its sources for the following (5)
i) Ginger ii) Garlic iii) Ginseng iv) Amla e) Honey
b) Write note on herbal skin care products. (5)

II. Write short answers on any **SEVEN** questions: (7 x 5 = 35)

4. Write note on organic farming pest and pest management.
5. Brief the regulatory issues related to manufacture of ASO drugs.
6. Scope and future prospects for herbal drug industry.
7. Enumerate the factors affecting the stability of herbal drugs.
8. ICH guide lines on herbal drug studies.
9. Preparation and standardition of Ghutika.
10. Write the commercial importance of Garlic.
11. Brief note on importance and role of herbal excipients in novel dosage forms.
12. Quality control tests for fixed oil herbal formulations.

III. Write short notes on : (10 x 2 = 20)

13. Define Ayurvedha.
14. Define and write example for bio insecticides.
15. Nutritional property for Amla.
16. Write note on sources of herbs.
17. Schedule T
18. Schedule Z
19. Define patent.
20. Write examples for flavors and perfumes.
21. Regulatory agencies for herbal drug utilities.
22. Define antioxidants with examples.
