

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BPHARM 0321]**

**MARCH 2021**

**Sub. Code: 2063**

**(SEPTEMBER 2020 EXAM SESSION)**

**B. PHARMACY DEGREE EXAMINATION**

**PCI Regulation SEMESTER – VI**

**PAPER III – HERBAL DRUG TECHNOLOGY**

***Q.P. Code : 562063***

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)**

1. Explain the infrastructural and general requirements of herbal drug industry as per Good Manufacturing Practice.
2. Discuss the role of Good Agricultural practice in cultivation of medicinal plants.
3. Explain in detail about the herb – drug and herb – food interactions.

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

1. Processing of herbal raw material.
2. Preparation and Standardization of Lehya.
3. Basic principles of Siddha system of medicine.
4. Classification of Nutraceuticals with examples.
5. Health benefits of Ginseng.
6. Phytosomes.
7. Stability testing of herbal drugs.
8. Case study of NEEM.
9. Schedule-Z of Drugs and Cosmetic Act for Ayurveda, Siddha, Unani drugs.

**III. Short answers on: Answer ALL questions. (10 x 2 = 20)**

1. Define Herb.
2. What are primary and secondary metabolites?
3. Explain Panchamahabhuta in Ayurveda.
4. Give the sources and two health benefits of ALFA ALFA.
5. Write the possible side effects of Ephedra.
6. Mention two herbs used in Oral Hygiene products.
7. Give the examples for diluents of natural origin.
8. Define Intellectual Property Rights.
9. Give any two objectives of Schedule-T.
10. Enlist the types of Nutraceutical products available in market.

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