

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE**

**End Semester Examination – Winter 2022**

**Date: 11/02/2023**

**Course : B. Pharmacy**

**Sem: VI**

**Subject Name : Herbal Drug Technology**

**Subject Code :BP603T**

**Max Marks : 75**

**Duration: 3Hr.**

**Instructions:**

- 1. All questions are compulsory**
- 2. Draw diagrams / figures wherever necessary**
- 3. Figures to right indicate full marks**

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**Q. 1. Objective Type Questions (Answer all the questions) (10 x 2) = 20**

- i)** Define Herbal Medicine and Herbal Medicinal Product
- ii)** Give four examples of Nutraceuticals used in treatment of Cancer with their use
- iii)** List any four plant based industries in India
- iv)** Describe standardization of Bhasma
- v)** Name two Herbs used in Dental Care with their biological source
- vi)** What is schedule Z
- vii)** Give biological source and health benefits of Spirulina
- viii)** Write note on natural sweeteners
- ix)** Define Patent and Biopiracy
- x)** Discuss the objectives of GMP

**Q. 2. Long Answers (Answer 2 out of 3) (2 x 10) = 20**

- i)** Explain in detail WHO and ICH guideline for assessment of herbal drug
- ii)** Describe different good agriculture practices in cultivation of medicinal plants
- iii)** Discuss raw materials in hair care products as hair tonics.

**Q. 3. Short Answers (Answer 7 out of 9) (7 x 5) = 35**

- i)** Discuss principle involved in Homeopathy system
- ii)** Write possible side effects and interactions of drug Ginkobiloba and Garlic
- iii)** Explain Liposomes as a novel dosage form
- iv)** Explain regulation of manufacture of ASU drugs
- v)** Explain role of nutraceuticals and health benefit in Irritable Bowel Syndrome with example
- vi)** Write note on Biodynamic agriculture
- vii)** Write in detail farmers rights
- viii)** Describe general requirements for GMP for ASU medicines
- ix)** Write a brief note on Herbs used in skin care cosmetics as protecting and antiaging agents

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