

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. – SEMESTER 8 -EXAMINATION – SUMMER -2022

Subject Code:BP806TT**Date: 04/06/2022****Subject Name: Quality Control and Standardization of Herbals****Time: 10:30am to 01:30pm****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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| Q.1 | (a) | Enlists the parameters of WHO guidelines for quality control of herbal drugs.
Write a note on Ash Value and Extractable matters of herbal drugs. | 06 |
| | (b) | Discuss the Volatile oil determination for herbal drugs. | 05 |
| | (c) | Explain the Chemical tests for anthraquinone and cardiac glycosides. | 05 |
| Q.2 | (a) | Explain the importance of Good Manufacturing Practices for herbal medicines | 06 |
| | (b) | Discuss the determination of Pesticide residue from herbal drugs. | 05 |
| | (c) | Write a note on the evaluation of polyherbal tablet formulation. | 05 |
| Q.3 | (a) | Write a note on WHO guideline for Good Agriculture and Collection Practices of medicinal plants. | 06 |
| | (b) | What is importance of Quality assurance in herbal drug Industry? Discuss in details. | 05 |
| | (c) | Write a note on Good Laboratory Practices in herbal medicines. | 05 |
| Q.4 | (a) | Write a note on EU guideline for quality control of herbal drugs. | 06 |
| | (b) | Discuss Good agriculture practice in cultivation of medicinal plants. | 05 |
| | (c) | Explain the safety guideline for herbal medicines. | 05 |
| Q.5 | (a) | Write a brief note on Guidelines for Toxicity investigation of Herbal medicines | 06 |
| | (b) | Discuss the guideline for efficacy evaluation of herbal medicines. | 05 |
| | (c) | Explain the guideline for clinical trials using herbal medicines | 05 |
| Q. 6 | (a) | Explain the stability testing of herbal medicines. | 06 |
| | (b) | Write a note on application of HPLC and Gas Chromatography technique in standardization of herbal products. | 05 |
| | (c) | Discuss the preparation of New Drug Application for herbal medicines | 05 |
| Q.7 | (a) | What is phytopharmacovigilance? Discuss the safety monitoring aspects of herbal medicines through phytopharmacovigilance. | 06 |
| | (b) | Write a note on Herbal Pharmacopoeias. | 05 |
| | (c) | Discuss the role of biological markers in standardization of herbal products. | 05 |
