

QP Code: 826006

Reg. No.....

**Eighth Semester B. Pharm Degree Supplementary Examinations  
November 2022**

**Quality Control and Standardization of Herbals**

**(2017 Scheme)**

**Time: 3 Hours**

**Max. Marks: 75**

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

**Essays**

**(2x10=20)**

1. Describe the accepted method for determining herbal medicine stability
2. Explain on WHO's guidelines on GACP for medicinal plants

**Short Notes**

**(7x5=35)**

3. Detection of alkaloids in medicinal plants
4. Write the procedure for determining the total-ash value
5. Explain the impact of chromatography techniques on herbal drug quality control
6. Role of GLP in the traditional medical system
7. Outline the guidelines for assessing the safety and efficacy of herbal medicines
8. Herbal drug regulation in India
9. How biological markers can be used to standardize the herbal products

**Answer Briefly**

**(10x2=20)**

10. Define the term pharmaceutical substances
11. Qualitative assessment of flavonoids
12. Significance of extractive values
13. Chemical evaluation of crude drugs
14. Adsorbents in thin-layer chromatography
15. Importance of swelling index
16. In what ways does gas chromatography contribute to the standardisation of herbal products
17. Visualizing agents in chromatography
18. What is the purpose of good manufacturing practices for botanicals
19. How does pharmacovigilance work

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