

Roll No.

Total No. of Pages : 02

Total No. of Questions : 13

B.Pharmacy (Sem.-8)

QUALITY CONTROL AND STANDARDIZATION OF HERBALS

Subject Code : BP806ET

M.Code : 79769

Date of Examination : 09-01-2023

Time : 3 Hrs.**Max. Marks : 75**

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains THREE questions carrying TEN marks each and student has to attempt any TWO questions.**
3. **SECTION-C contains NINE questions carrying FIVE marks each and student has to attempt any SEVEN questions.**

SECTION-A

1. Write briefly :

- a) Give the full form of GACP and GMP.
- b) What are markers?
- c) What are crude drug and herbal products?
- d) According to you, what are the 3 fundamental requirements for herbal drugs?
- e) What is microscopic evaluation of plant drugs?
- f) What is phytochemical screening?
- g) Give the sequence of instrumentation in HPLC.
- h) Name two detectors used in gas chromatography.
- i) What are different ICH guidelines?
- j) Give the conditions for accelerated stability testing of herbal formulations.

SECTION-B

2. Discuss the need and steps for evaluating quality, efficacy and safety of herbal drugs.
3. “*Chromatographic techniques play an important role in the study of plant drugs*”. Justify this statement with appropriate examples.
4. Discuss the research guidelines for evaluating efficacy and safety of traditional herbal medicines and phytoconstituents.

SECTION-C

5. Compare TLC and HPTLC.
6. What is the process and importance of GACP of medicinal plants?
7. Compare the requirements for herbal drugs as per IP and WHO.
8. What is pharma-covigilance of herbal drugs?
9. What are the regulatory requirements for herbal drugs and products in India?
10. Describe the process for stability testing of herbal products.
11. What are the requirements for new drug development and registration?
12. Write a note on steps involved in plant drug standardization.
13. What are the GMP requirements for herbal products?

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.