

Total No. of Questions - 13] [Total No. of Printed Pages - 2]

DEC-23-0099

BP-806 ET (Quality Control and Standardization of Herbals)

B.Pharm-8th (PCI)

Time : 3 Hours

Max. Marks : 75

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note: The question paper contains three sections. Section A is compulsory. Attempt any 2 questions from Section B and any 7 questions from Section C.

SECTION-A

(10×2=20)

(COMPULSORY SECTION)

1. Give short answers:
 - a. What is a crude extract and a standardized extract?
 - b. Mention 2 methods that are used to identify crude drugs.
 - c. What is the difference between GACP and GAP?
 - d. Give 2 differences between HPLC and HPTLC.
 - e. What are markers in plant extracts?
 - f. Name the plant drug regulatory bodies in India.
 - g. Why do we need pharmacovigilance of herbal drugs?
 - h. Mention 4 factors that effect quality of medicinal plants during cultivation.
 - i. Define plant drug standardization.
 - j. Give the conditions for the long term stability studies of a herbal product.

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SECTION-B

BP-806 ET
(2×10=20)

Long Answer (Any Two)

2. Describe the need and processes involved in the standardization of herbal drugs.
3. Describe evaluation of efficacy and safety of herbal drugs and traditional medicines.
4. What are different Chromatographic techniques? What are the various applications of these techniques in pharmacognosy?

SECTION-C

(7×5=35)

Short Note Answer (Any Seven)

5. Describe the regulation of herbal drugs in India.
6. Compare the WHO, IP and API pharmacopoeial specifications for plant drugs.
7. Describe the requirements and steps involved for new drug application.
8. Describe how will you determine the stability of a plant product?
9. What is the role of markers in plant drug standardization?
10. Describe process for clinical trials of traditional plant drugs.
11. Describe the role of microscopy in plant drug standardization.
12. You are given a traditional drug. How will you study its efficacy?
13. What are the essential parts of a GACP MONOGRAPH?

