

Roll No

PY-805 (C)**B.Pharm. VIII Semester**

Examination, June 2016

Herbal Drug Technology**(Elective-II)***Time : Three Hours**Maximum Marks : 70*

Note : i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.

ii) All parts of each question are to be attempted at one place.

iii) All questions carry equal marks, out of which part A and B (Max. 50 words) carry 2 marks, part C (Max. 100 words) carry 3 marks, part D (Max. 400 words) carry 7 marks.

iv) Except numericals, Derivation, Design and Drawing etc.

1. a) Explain the term identification and authentication.
- b) Give method of drying of Herbal Drugs.
- c) Explain why seasonal and geographical variations cause inconsistency in chemical constituent of Herbals.
- d) Describe the method of collection of Crude drugs.

OR

Describe the processing, labelling and packaging of Herbal drugs.

2. a) Define the term standardization.
- b) Give objective of WHO guideline.
- c) What are the factors influencing quality and quantity of native extract?

- d) Discuss the analytical method for standardization of extract and formulation by HPTLC and HPLC.

OR

Discuss in detail WHO guideline for assessment of Herbals.

3. a) Give difference between infusion and decoction.
- b) Explain the basic concept of Ayurveda.
- c) Give the method for estimation of alcohol content in Asava.
- d) Discuss the method of preparation of tincture and herbal ointment.

OR

Describe the evaluation parameters for standardization of Ayurvedic formulation.

4. a) Explain the term Biotransformation.
- b) Names the method of cell immobilization.
- c) Differentiate between static and suspension culture.
- d) Explain the method of plant cell immobilization.

OR

Describe the production of active constituents by biotransformation technique explain with example.

5. a) Give purpose of stability testing.
- b) What are the factors related to safety aspects of Herbals?
- c) Write in brief about analytical pharmacognosy.
- d) Write notes on regulatory requirements for herbal medicine.

OR

Give a brief account on plant based industries of India.
