

Roll No .....

**PY-805 (C) (GS)****B.Pharmacy VIII Semester**

Examination, May 2018

**Grading System (GS)****Herbal Drug Technology**

(Elective-II)

*Time : Three Hours**Maximum Marks : 70***Note :** i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Discuss the various factors affecting cultivation and processing of herbal drugs.  
b) Explain packaging and labeling of herbal drugs prior to extraction.
2. Describe the quality control for herbals as per WHO guidelines.
3. a) Discuss the analytical method for standardization of Herbal formulations by TLC and HPTLC.  
b) Write the objectives of WHO guidelines.

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4. a) Discuss the principles of Ayurveda.  
b) Write the formulation consideration of Ayurvedic dosage forms Asava and Arishta.
5. Write short notes on any two of the following:  
a) Seasonal and geographical variations for Herbal drugs  
b) HPTLC  
c) Types of culture
6. a) Define Plant tissue culture. Write application of PTC in pharmacy.  
b) Describe protoplast fusion and explain the plant cell immobilization techniques.
7. a) Write a note on plant based industries in India.  
b) Regulatory requirement for Herbal industries with respect to Infrastructural and quality control.
8. Write detail notes on any two:  
a) HPLC  
b) BIO transfer motion  
c) Suspension and Hairy root cultures  
d) Infusion and Decoction formulation consideration

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