



**HDY-003-1143004** Seat No. \_\_\_\_\_

**M. Sc. (Botany) (Sem. III) (CBCS) Examination**

November / December – 2017

**BOT - 316 : Herbal Technology - I**

*(Elective) (New Course)*

**Faculty Code : 003**

**Subject Code : 1143004**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

**1 Answer the following : (any seven) 2×7=14**

- (a) Define term crude drugs.
- (b) What is a green house?
- (c) Give a brief note on calcium oxalate crystals.
- (d) What is biodynamic agriculture?
- (e) What is conservation?
- (f) What does solvent extractive values indicate?.
- (g) Define the role of morphological characters in herbal drugs?
- (h) What is water soluble ash? How it is determined?
- (i) What are the criteria for LEISA?
- (j) What is the difference between sulphated ash and nitrated ash?

**2 Answer the following : (any two) 2×7=14**

- (a) Exemplify the standardization parameters used in quality control.
- (b) Write a short note on adulteration and deterioration.
- (c) What are the factors affecting herbal drugs quality?

**3** Answer the following : **2×7=14**

- (a) Give a brief account on the alternative systems of medicine.
- (b) What are the major medicinal plants of the India?

**OR**

**3** Answer the following : **2×7=14**

- (a) Describe the traditional systems of the medicine.
- (b) Explain the pre-extraction operation in detail.

**4** Answer the following : **2×7=14**

- (a) Briefly describe the different extraction techniques.
- (b) Describe the effect of various factors during extraction.

**5** Answer the following : (any two) **2×7=14**

- (a) What are the general principles of organic farming.
- (b) Describe the classification and important components of the nurseries.
- (c) Why conservation is needed? What is the role of governmental policy in conservation ?
- (d) What are the advantages and disadvantages of green house? Describe the grafting techniques.